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INTER PARTES REVIEW (IPR) CONSTITUTIONAL & PATENT IS A PUBLIC FRANCHISE

In Oil States Energy Services, LLC v. Greene's Energy Group, LLC, The Supreme Court Of The United States (SCOTUS) held that *Inter Partes Review* (IPR)[1] is constitutional, today (24 April 2018) in an opinion delivered by Justice Thomas, joined by Justices Kennedy, Ginsburg, Breyer, Alito, Sotomayor, and Kagan. Justice Breyer, joined by Justices Ginsburg and Sotomayor, filed a concurring opinion. Justice Gorsuch joined by Chief Justice Roberts filed a dissenting opinion.

Three decisions[2] that recognize patent rights as the "private property of the patentee" were decided under the Patent Act of 1870 and are best read as describing the statutory scheme that existed at that time, and in those days, patent validity was often decided in 18th-century English courts of law (similar to Article III courts[3]) or the Privy Council Review that resembles today's IPR, the SCOTUS opined. The historical practice that American courts have traditionally adjudicated patent validity in this country is not decisive here and that Congress chose the courts in the past does not foreclose its choice of the USPTO today, because matters governed by the Public Rights Doctrine may be assigned to the Legislature, the Executive, or the Judiciary. The SCOTUS held that it has never adopted a "looks like" test to determine if an adjudication has improperly occurred outside an Article III court, and therefore, the similarity between the various procedures used in IPR by the Patent Trial and Appeal Board and procedures typically used in courts does not lead to the conclusion that IPR violates Article III[4]. Further, the SCOTUS held that when Congress properly assigns a matter to adjudication in a non-Article III tribunal, the Seventh Amendment poses no independent bar to the adjudication of that action by a nonjury factfinder[5]. A party dissatisfied with the Board's decision can seek judicial review in the Court of Appeals for the Federal Circuit.

*Therefore, it was held that IPR DOES NOT VIOLATE either Article III or the Seventh Amendment of the Constitution. In addition, the SCOTUS also held in SAS INSTITUTE INC. v. IANCU that w*hen the Patent Office institutes an IPR, it must decide the patentability of all of the claims the petitioner has challenged[6].

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PATENT IS A PUBLIC FRANCHISE

The argument that patent right is a private property right is flawed and misses the fundamental nature of the patent right –an exclusionary monopoly right limited to a short-term, *"the right to exclude others from making, using, offering for sale, selling or importing the invention,"* which does not include the right to use, make, sell, or offer to sell[7]. *Thus, IPR falls squarely within the public rights doctrine. The decision to grant a patent is a matter involving public right. IPR is simply a reconsideration of that grant, and Congress has permissibly reserved the USPTO's authority to conduct that reconsideration. Thus, the USPTO can do so without violating Article III.*

Private Property[8] Right: In many countries, including the United States, individuals generally exercise **Private Property Rights** -- the inheritable rights of private persons to accumulate, hold, delegate, rent, make, use, not-use, offer for sale, sell, or export their property -- one of the pillars of today's global market economy, legal systems, and moral philosophies. In economics, property rights form the basis for all market exchange, and the allocation of property rights in a society affects the efficiency of resource use. A single entity may own private property with the title and legal claim to the property. Private property owners also have the exclusive right to use and benefit from the services or product. Private property owners may exchange the resource on a voluntary basis. Other types of property, such as communal or government property, are legally owned by groups but practically enforced by individuals in positions of political or cultural power. Property rights[9] establish relationships among participants in any social and economic system and are a function of what others are willing to acknowledge. The limits on an owner's actions result from expectations and rights of others as formally sanctioned and sustained by law. The boundary between obligation and right is variable. Patterns in rights and obligations reflect prevailing judgments on what is fair, and people's values determine fairness. Laws and rules generally reflect the values held by a sufficient number of the people in a social group. Holding the rights to property is an expression of the relative power of the bearer. Holding such power or rights commands certain responses by others that are enforced by the community or our culture. Property rights are a component of an assessment of the ability of individuals in a country to accumulate private property, secured by clear laws that are fully enforced by the state. It measures the degree to which a country's laws protect private property rights and the degree to which its government enforces those laws. It also assesses the likelihood that private property will be expropriated and analyzes the independence of the judiciary, the existence of corruption within the judiciary, and the ability of individuals and businesses to enforce contracts.

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Public Rights Doctrine: At a minimum, a matter of public right must arise between the government and others[10], it need not involve the Federal Government[11], and the Government need not be a party as a prerequisite to a matter being of "public right[12]." SCOTUS approved an administrative scheme for determination, subject to judicial review, of maritime employee compensation claims, although it acknowledged that the case involved a private right of the liability of one individual to another under the law as defined, in *Crowell v. Benson*[13]. In essence, the public rights doctrine reflects simply a pragmatic understanding that when Congress selects a *quasi-judicial* method of resolving matters that could be conclusively determined by the Executive and Legislative Branches, the danger of encroaching on the judicial powers is reduced[14]. The SCOTUS has long recognized that the grant of a patent is a matter involving public rights[15], and accordingly, *Inter Partes Review* (IPR) falls squarely within the *Public Rights Doctrine*.

Patent Rights: A patent grant to a legitimate inventor for a novel, non-obvious, and useful invention is a short-term monopoly right to exclude others from making, using, offering for sale, or selling, or importing the invention, issued by the Patent Office of a Country, effective only within the country, and its territories and possessions, subject to the payment of maintenance fees. Thus, a patent granted by the United States Patent and Trademark Office (USPTO) is effective only within US and its territories and possessions[16]. *What is granted is not the right to make, use, offer for sale, sell or import, but the right to* ***exclude others from making, using, offering for sale, selling or importing the invention. Accordingly, the patent right is an exclusionary right, but not a private property right.***

Public Franchise: A public franchise is created when a government restricts a market to a single firm, which it appoints. All other firms are prohibited by law from competing with the public franchise. A public franchise is an exclusive right granted to a firm to supply a good or service. The distinction between a Public Franchise[17] and Franchise Public (Publicly Traded Private Franchise) may be confusing, but they are two distinct entities, e.g., Private Franchises that went Public are: Potbelly Sandwich Shop, RE/MAX, Noodles & Company, etc. are private franchises that went public in 2013 – they are public companies that are publicly traded franchises. In contrast, a public franchise is a Government grant of the right to be the sole legal provider of a good or service, whereas a Public Enterprise refers to a service that is provided directly to consumers through the government.

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RANK	FRANCHISE	INVESTMENT
# 1	McDonald's	$1M - $2.2M
# 2	7-Eleven Inc.	$38K - $1.1M
# 3	Dunkin' Donuts	$229K - $1.7M
# 4	The UPS Store Request More Info	$178K - $403K
# 5	RE/MAX LLC	$38K - $225K
# 6	Sonic Drive-In Restaurants	$1.1M - $2.4M
# 7	Great Clips Request More Info	$137K - $258K
# 8	Taco Bell	$525K - $2.6M
# 9	Hardee's	$1.4M - $1.9M
# 10	Sport Clips Request More Info	$189K - $355K
# 11	Jimmy John's Gourmet Sandwiches Request More Info	$330K - $558K
# 12	Servpro	$158K - $212K
# 13	Culver Franchising System Inc.	$1.8M - $4.3M
# 14	Supercuts Request More Info	$144K - $297K

Patent Is a Public Franchise: Public franchises create monopolies by restricting ENTRY. A patent grants an exclusive right to an inventor of a product. Patents create monopolies by restricting ENTRY. Patents are LEGAL barriers to entry and public franchises are LEGAL barriers to entry. Because a public franchise is a monopoly, it makes the market less efficient because such a firm has no competition, its prices no longer reflect supply and demand.

Article I Courts are those courts created by the Congress pursuant to its power under Article I of the Constitution such as[18]: 1.Territorial courts: These are federal courts located in the district of Guam, the US Virgin Islands and the Northern Mariana Islands. 2. US Court of Military Appeals (Court of Appeals for the Armed Forces). 3. US Court of Veterans Appeals. 4. US Court of Federal Claims. 5. US Tax Court.

Article I courts are also referred to as legislative courts and may be created as special tribunals to examine and determine various matters, arising between the government and others, which from their nature do not require judicial determination and yet are susceptible of it. The mode of determining matters of this class is completely within congressional control[19]. There are matters, involving public rights, which may be presented in such form that the judicial power is capable of acting on them, and which are susceptible of judicial determination, but which the Congress may or may not bring within the cognizance of the courts of US, as it may deem proper[20]. Among the matters susceptible of judicial determination, but not requiring it[21], are claims against US, the disposal of public lands and claims

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arising therefrom, questions concerning membership in the Indian tribes, questions arising out of the administration of the customs and internal revenue laws, territorial courts, consular courts, and military courts.

When determining whether a proceeding involves an exercise of Article III judicial power, the SCOTUS' precedents have distinguished between "public rights" and "private rights." Those precedents[22] have given Congress significant latitude to assign adjudication of public rights to entities other than Article III courts. The decision to grant a patent is a matter involving public rights—specifically, the grant of a public franchise. Court has recognized that franchises can be qualified in this manner[23].

The argument that patent right is a private property right is flawed and misses the fundamental nature of the patent right –an exclusionary monopoly right limited to a short-term, "*the right to exclude others from making, using, offering for sale, selling or importing the invention,"* which does not include the right to use, make, sell, or offer to sell. Thus, IPR falls squarely within the public rights doctrine. The decision to grant a patent is a matter involving public right. IPR is simply a reconsideration of that grant, and Congress has permissibly reserved the USPTO's authority to conduct that reconsideration. Thus, the USPTO can do so without violating Article III[24].

Nikola v. Tesla: Now that IPR is held constitutional, Tesla should go for IPR/PGR against design patents of Nikola. PGR Fee. IPR Fee. Tesla sued for $2 billion by hydrogen truck startup over alleged patent infringement:

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FEDERAL FRAUD OPPORTUNITY

Most drugs consist of pure chemical substances and their structures are known. Most biologics, however, are complex mixtures that are not easily identified or characterized. Biological products differ from conventional drugs in that they tend to be heat-sensitive and susceptible to microbial contamination. Pursuant to Section 351 of the Public Health Service Act, a biological product is a virus, therapeutic serum, toxin, antitoxin, vaccine, blood, blood component or derivative, allergenic product, or analogous product, or arsphenamine or derivative of arsphenamine (or any other trivalent organic arsenic compound), applicable to the prevention, treatment or cure of a disease or condition of human beings. Biological products can be composed of sugars, proteins, or nucleic acids, or a combination of these substances. They may also be living entities, such as cells and tissues. Biologics are made from a variety of natural resources—human, animal, and microorganism—and may be produced by biotechnology methods.

In July 2006, the Institute of Medicine (IOM) published a report entitled Preventing Medication Errors, which cited labeling and packaging issues as the cause of 33 percent of medication errors, including 30 percent of fatalities from medication errors[25].

The "proprietary name" or "trade name" of a product is the name that will be used by the applicant or other entity a) for the commercial distribution of the product; and b) to identify the specific product in the marketplace, following approval by the Center for Biologics Evaluation and Research (CBER) or the Center for Drug Evaluation and Research (CDER).

CBER's Advertising and Promotional Labeling Branch (APLB) reviews and evaluates proposed proprietary names for biological products in accordance with SOPP 8001.4: Review of Proprietary Names for CBER Regulated Products[26]. Proposed proprietary names are evaluated to avoid potential medication errors related to look-alike and sound-alike proprietary names, and avoid names that are fanciful or misleading.

The review of proposed proprietary names will be evaluated under specific performance goals as outlined under **PDUFA IV, Section IX**: Review of Proprietary Names To Reduce Medication Errors, Subsection A: Review Performance Goals – Drug/Biological Product Proprietary Names of the PDUFA Reauthorization Performance Goals and Procedures Fiscal Years 2008 Through 2012. Using best practices when carrying out their own proprietary name reviews and providing FDA with the data that result from those reviews may help

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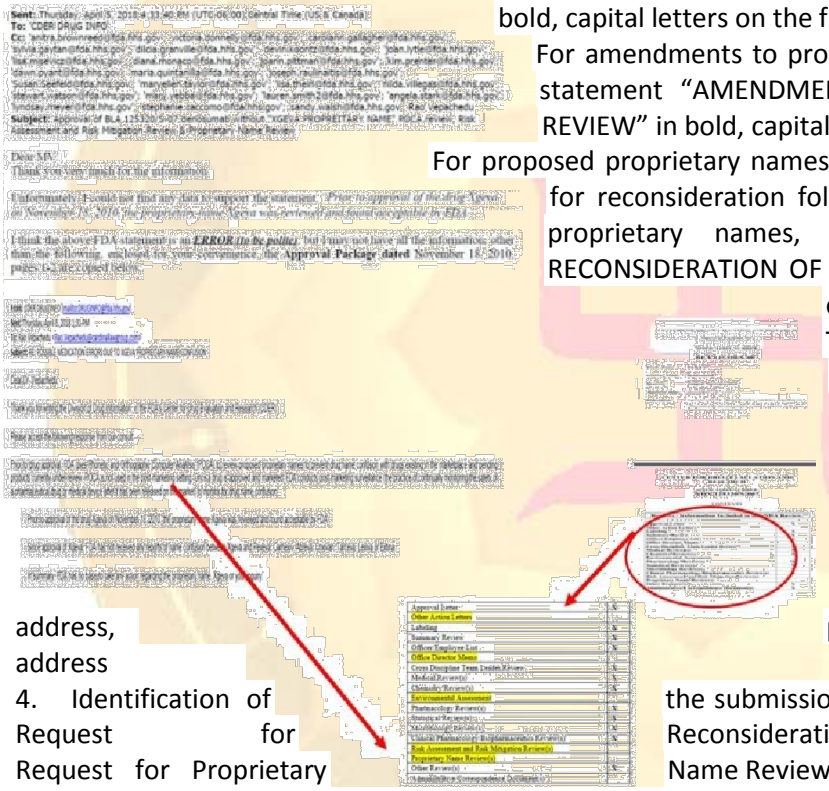
Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేదు | डॉक्टर श्रीनिवासराव वेपचेदु| Dr. Sreenivasarao Vepachedu[1]

pharmaceutical firms choose appropriate proprietary names for their products before application submission. Each submission[27] should be identified as follows:

A. General Information

For proposed proprietary name reviews, include the statement "REQUEST FOR PROPRIETARY NAME REVIEW" in bold, capital letters on the first page of the submission.



For amendments to proposed proprietary name reviews, include the statement "AMENDMENT TO REQUEST FOR PROPRIETARY NAME REVIEW" in bold, capital letters on the first page of the submission.

For proposed proprietary names that applicants and sponsors are submitting for reconsideration following an initial rejection of their proposed proprietary names, include the statement "REQUEST FOR RECONSIDERATION OF PROPRIETARY NAME" in bold, capital letters on the first page of the submission.

The forms should provide information including the following[28]:

1. Proposed first choice proprietary name
2. Application number (BLA/NDA/ANDA/IND)
3. Applicant or sponsor contact information including the company name, address, name and title of the contact person, phone number, fax number, and e-mail address
4. Identification of the submission as a Request for Proprietary Name Review, Request for Reconsideration of Proprietary Name, or Amendment to a Request for Proprietary Name Review
5. A list of contents in the submission

B. Proposed Proprietary Name

1. Primary and Alternate Proposed Proprietary Name

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This radiant type of strength and youth!
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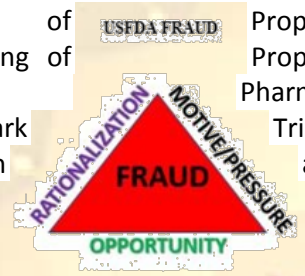
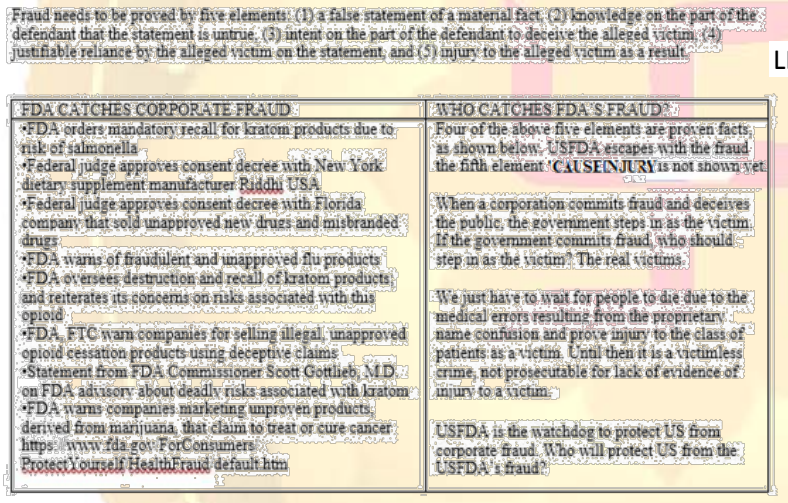
2. Intended Pronunciation of the Proposed Proprietary Name
3. Derivation of Proprietary Name
4. Intended Meaning of Proprietary Name Modifiers (e.g., prefix, suffix)
5. Pharmacologic/Therapeutic Category



Both the Trademark Trial and Appeal Board (TTAB) and the federal courts have found that since confusion amongst pharmaceutical products can lead to catastrophic consequences, it is essential that confusion must be avoided at all costs. Public policy requires that if there is any possibility of confusion in such a situation, use of the confusingly similar trademark must be enjoined. However, XGEVA (ex-[j]-EE-vah) & LEXIVA ([l]-ex-EE-vah) (similarity> 75%)[29], etc. have not gone through the required proprietary name confusion review at USFDA, prior to approval by the USFDA FOR the commercial use in US. When pointed out, USFDA denied of any wrongdoing and as it has already approved, there is no recourse for the public, unless there is evidence for medication errors and fatalities clearly attributable to the XGEVA (ex[j]-EE-vah) & LEXIVA ([l]ex-EE-vah) confusion.


Fraud needs to be proved by five elements: (1) a false statement of a material fact, (2) knowledge on the part of the defendant that the statement is untrue, (3) intent on the part of the defendant to deceive the alleged victim, (4) justifiable reliance by the alleged victim on the statement, and (5) injury to the alleged victim as a result.

FDA CATCHES CORPORATE FRAUD
•FDA orders mandatory recall for kratom products due to risk of salmonella
•Federal judge approves consent decree with New York dietary supplement manufacturer Riddhi USA
•Federal judge approves consent decree with Florida company that sold unapproved new drugs and misbranded drugs
•FDA warns of fraudulent and unapproved flu products
•FDA oversees destruction and recall of kratom products, and reiterates its concerns on risks associated with this opioid
•FDA, FTC warn companies for selling illegal, unapproved opioid cessation products using deceptive claims
•Statement from FDA Commissioner Scott Gottlieb, M.D. on FDA advisory about deadly risks associated with kratom
•FDA warns companies marketing unproven products, derived from marijuana, that claim to treat or cure cancer
https://www.fda.gov/ForConsumers/ProtectYourself/HealthFraud/default.htm

WHO CATCHES FDA'S FRAUD?
Four of the above five elements are proven facts, as shown below. USFDA escapes with the fraud the fifth element 'CAUSE/INJURY' is not shown yet.

When a corporation commits fraud and deceives the public, the government steps in as the victim. If the government commits fraud, who should step in as the victim? The real victims.

We just have to wait for people to die due to the medical errors resulting from the proprietary name confusion and prove injury to the class of patients as a victim. Until then it is a victimless crime, not prosecutable for lack of evidence of injury to a victim.

USFDA is the watchdog to protect US from corporate fraud. Who will protect US from the USFDA's fraud?

Why? BECAUSE WE ARE ENSURING APPROPRIATE MEDICATION[30] WITH CORRUPTION AND LOOPHOLES[31] and FRAUD.

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FDA's LOOPHOLES IN ENSURING APPROPRIATE MEDICATION

Corruption is defined as dishonest or illegal behavior especially by powerful people, with or without inducement to wrong by improper or unlawful means such as bribery, resulting in a departure from the original or from what is pure. Corruption is both a major cause and a result of poverty around the world. It occurs at all levels of society, from local and national governments, civil society, judiciary functions, large and small businesses, military and other services and so on. Corruption undermines political development, democracy, economic development, the environment, people's health and more, affecting all elements of a society, but the poorest the most. Yet, corruption is not limited to third world despots controlled by the rich countries involved in corrupt practices around the world[32] intent upon plundering and devastating countries by every means available on one hand, while preaching ideology and gospel on the other hand[33].

Many types of corruption in the pharmaceutical sector are equally rampant in high-income countries and low-income ones; for example, conflicts of interest, misrepresentation, lack of transparency, and corporate influence over prescribing habits. Of equal import to documenting instances of corruption is identifying strategies and tactics to reduce corruption. Corruption occurs in the pharmaceutical sector when responsible personnel get distracted from their duty by corporate profits. A systemic change is necessary to realize societal governance goals and transform ideas of corporate social responsibility to ensure the welfare of consumers remain the focus of pharmaceutical companies in the global market.

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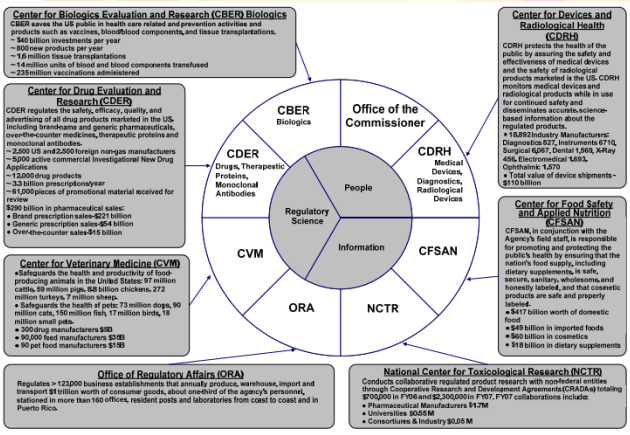
"Enlightenment is man's emergence from his self-imposed immaturity. Immaturity is the inability to use one's understanding without guidance from another." —Immanuel Kant, "What is Enlightenment?" (1784)

DRUGS One out of every five drugs that came on the market in the United States in a 25-year period from 1975 to 2000 had to either be taken off the market or was subject to a black box warning[34]. About 90 percent of all new drugs approved by the FDA over the past 30 years are little or no more effective for patients than existing drugs. All of them may be better than indirect measures or placebos, but most are no better for patients than previous drugs approved as better against these measures. The few superior drugs make important contributions to the growing medicine chest of effective drugs[35]. The pharmaceutical industry has corrupted the practice of medicine through its influence over what drugs are developed, how they are tested, and how medical knowledge is created. Since 1906, heavy commercial influence has compromised Congressional legislation to protect the public from unsafe drugs[36]. Pharmaceutical companies hide, ignore, or mis-represent evidence about new drugs; distort the medical literature, and misrepresent products to prescribing physicians, and patients have been suffering from a largely hidden epidemic of side effects from drugs that usually have few offsetting benefits[37]. Heavy commercial influence has compromised Congressional legislation to protect the public from greedy corporations, in the US. Contrary to the belief in the rest of the world that America is the land of laws and a beacon of hope, it is no less corrupt than any other poverty-ridden third world country or rich imperialist colonial power.

This is true for all human beings with slight variations here and there, because all human beings are nothing more than any other mammal in the big picture of the Universe, even if each individual perceives itself to be the center of the Universe, which of course, is true, but an inconsequential tiny dot. Yet, each tiny dot of inconsequence tries its best to control the universe with its strong belief in its power to do so, which never ends, no matter how many times the Universe disappears and reappears in its cyclical nature. The ephemeral tiny dot lives on with its hope to change the universe for eternity. **Dr. Vepachedu**



Source: FDA 10/02/07

It is quite common to finger-point at one or the other scapegoat for all the problems that are afflicting the American society, in the supreme ignorance of the corruption within each individual justified by the hypocrisy and "US against them" logic (pun intended). Thus, it is clear that some Americans blame the greedy corporations,

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while other Americans blame it on the inefficient big government and its redundant regulations, both sides conveniently ignoring that they insist on cheaper products and instant gratification with self-indulgent self-righteousness looking for

POCA Score	Category	Analysis
49 or less	Low Similarity	Names with low similarity that have no overlap or similarity in strength and dose are generally acceptable absent indications of potential confusion (e.g., overlap or similarity in strength and dose, prescription simulation study suggests that the name is likely to be misinterpreted). In these instances, FDA will evaluate the names under the "moderate similarity" framework below.
50 to 69	Moderate Similarity	Moderately similar names with overlapping or similar doses represent an area of concern for FDA. Under the framework, the ability of other product characteristics to mitigate confusion may be limited when the strength or dose overlaps. **Step 1** – Review the Dosage and Administration and Storage and Handling sections of the prescribing information or the Drug Facts label to determine if strengths and doses of the name pair overlap or are very similar, keeping in mind alternative expressions of dose, trailing or deleting zeros (e.g., 10 mg is similar in appearance to 100 mg), and similar sounding doses (e.g., 15 mg is similar in sound to 50 mg). **Step 2** – Checklist of questions. Affirmative answers to some questions may reduce the likelihood of confusion for moderately similar names with overlapping or similar strengths or doses: • Do the names begin with the first letter? (note that certain letter may still be confused when scripted) • Are the lengths of the names dissimilar when scripted? (FDA considers the length to be different if the names differ by two or more letters in length) • Considering variations in scripting of some letters, is there a different number or placement of upstroke/downstroke letters present in the names? • Is there different number or placement of cross-stroke or dotted letters present in the names? • Do the infixes (group of letters in the middle of the name) of the name appear dissimilar when scripted? • Do the suffixes of the names appear dissimilar when scripted? • Do the names have different number of syllables? • Do the names have different syllabic stresses? • Do the syllables have different phonologic processes, such as vowel reduction, assimilation, or deletion? • Across a range of dialects, are the names consistently pronounced differently?
70 or more	High Similarity	For highly similar names, FDA takes the position that differences in product characteristics often cannot mitigate the risk of a medication error, including differences in product strength and dose. FDA proposes several questions (the same questions as Step 2 above) that, where some are answered in the affirmative, may suggest that the differences in the names may render them less likely to confusion, provided that the pair do not share a common strength or dose: • Do the names begin with the first letter? (note that certain letter may still be confused when scripted) • Are the lengths of the names dissimilar when scripted? (FDA considers the length to be different if the names differ by two or more letters in length) • Considering variations in scripting of some letters, is there a different number or placement of upstroke/downstroke letters present in the names? • Is there different number or placement of cross-stroke or dotted letters present in the names? • Do the infixes (group of letters in the middle of the name) of the name appear dissimilar when scripted? • Do the suffixes of the names appear dissimilar when scripted? • Do the names have different number of syllables? • Do the names have different syllabic stresses? • Do the syllables have different phonologic processes, such as vowel reduction, assimilation, or deletion? • Across a range of dialects, are the names consistently pronounced differently?

eria for Drug Sponsors for Reporting Serious and Unexpected Suspected Adverse Reactions within 15 Days.

The event must be unexpected (not listed in the investigator brochure).

The event must be serious — that is, resulting in death, a threat to life, hospitalization or prolongation of hospitalization, persistent or clinically significant incapacity, substantial disruption of the ability to conduct normal life functions, or a congenital anomaly or birth defect.

The event must be a suspected adverse reaction, meaning that there must be a "reasonable possibility" (i.e., evidence to suggest) that the drug caused it.

scapegoats for their inherent fallibilities.
In 1992, after years of underfunding, cuts, and ballooned drug review times from 6 to 30 months, Congress passed the *Prescription Drug User Fee Act (PDUFA),* authorizing the FDA to collect "user fees" from drug companies that would allow it to hire 600 more reviewers and thereby speed up drug review claiming that fees would increase incentives for innovation and improve health, and clear the backlog of NMEs waiting for approval. Unfortunately, industry fees have not increased innovation in clinically superior drugs[38], but the shortened review times led to substantial increases of about 18 % in serious adverse reactions and about 11% in hospitalizations. As a result, the USFDA is no longer the world's gold standard that once it was (see TRADEMARK BULLYING AND MEDICATION ERRORS **** DANGEROUSLY SIMILAR DRUGS, PUBLIC SHAMING TRADEMARK BULLIES DOES NOT WORK**** ENSURING APPROPRIATE MEDICATION).

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Undaunted, the USFDA and the US Congress continued to reform the agency with new regulations. In 2007, a Subcommittee on Science and Technology to the FDA Science[39], produced a report entitled, "FDA Science and Mission at Risk," finding that the FDA resources have not increased in proportion to the demands on the FDA that have soared due to the extraordinary advance of scientific discoveries, the complexity of the new products, and claims submitted to FDA for pre-market review and approval, the emergence of challenging safety problems, and the globalization of the industries that FDA regulates. The result is that the scientific demands on the Agency far exceed its capacity to respond. This imbalance is imposing a significant risk to the integrity of the food, drug, cosmetic and device regulatory system, and hence the safety of the public. Thus, in 2007, the FDA's 100th anniversary, which was also a time of unprecedented scientific opportunities, increasingly complex product reviews based on scientific advances and globalization, increased scrutiny of the FDA by its stakeholders, an unprecedented recession, and declining budgets in real dollars causing uncertainty in the regulatory process; the FDA could not fulfill its mission any longer because its scientific base had eroded and its scientific organizational structure was weak, its scientific workforce did not have sufficient capacity and capability, and its information technology (IT) infrastructure was inadequate[40].

In February 2010, the FDA published "Guidance for Industry on the Contents of a Complete Submission for the Evaluation of Proprietary Names," which describes in detail the FDA's evaluation methodology for proposed proprietary drug names. By carefully examining this methodology and incorporating it into their own name clearance strategies, drug companies can better select drug names that have a better chance of clearing the FDA review process[41].

The trademark and FDA test also differ considerably in how they compare the proposed name or mark to similar existing names or marks. The FDA test only considers lookalike/soundalike issues, comparing the proposed drug name to drug names in spelling, pronunciation, and handwritten appearance. Similar marks that could coexist under the trademark analysis are likely to be rejected by the FDA due to the look-alike/sound-alike problem. Similarly, factors relating to the sophistication of the consumer, the intent of the junior user, and the lack of relationship between the goods will play little or no role in the FDA review. Indeed, physician and pharmacist sophistication may be irrelevant if they simply miswrite, mishear, or misread the drug name. The FDA uses unique computational methods, including a Phonetic and Orthographic Computer Analysis (POCA) to identify phonologically or orthographically similar names existing in industry databases. A POCA runs existing drug names

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Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేదు | डॉक्टर श्रीनिवासरावु वेपचेदु| Dr. Sreenivasarao Vepachedu[1]

through a computer algorithm and assigns each name a similarity percentage score between 1-100 based on how similar the name is to the proposed name. On this scale, a ranking of 100 would suggest the names are identical[42]. In a May 2014 Draft Guidance, entitled *Best Practices in Developing Proprietary Names for Drugs,* intending to develop proprietary names that do not cause or contribute to medication errors or otherwise contribute to the misbranding of the drug, emphasizing the role of the POCA score in early screening processes and determining what level of scrutiny a proposed name must bear. The POCA system comprises lists of pre-existing pharmaceutical product names along with other relevant information, e.g., dosage. The database user enters the proposed name in the POCA system and queries the name against drug reference databases through an algorithm that weighs orthographic and phonetic similarities. This query results in a list of the most similar pre-existing names along with the combined POCA score for each result. The higher the POCA score for an entry, the more similar the proposed name is to that pre-existing name, and the less likely that FDA will accept the proposed name[43].

The FDA established a new safety-reporting paradigm for investigational new drug applications (INDs), effective as of March 28, 2011, to enhance the protection of human subjects in clinical trials. By 2015, the FDA has implemented many of the Science Board's recommendations of 2007 for improving the scientific infrastructure, management, application of regulatory science to enhance our regulatory mission, and expanded its use of existing mechanisms to develop new collaborative programs[44]. FDA established:

· the Office of Counterterrorism and Emerging Threats to facilitate medical countermeasures development and advance regulatory science within this area.

· the Office of Scientific Professional Development to provide leadership and support for recruiting and fostering top talent and providing innovative skills development programs to prepare FDA staff to address new regulatory challenges.

· the Office of Regulatory Science and Innovation to lead and support the Agency in fostering the creation and use of innovative technologies in product development and evaluation.

· the Office of Foods and Veterinary Medicine to lead a functionally unified Foods Program and enhance FDA's ability to meet today's great challenges and opportunities in food and feed safety as well as nutrition.

Despite the fact that FDA's POCA and other tools and regulations are in place to reduce the errors due to confusion in the proprietary names of drugs, for some unknown reasons, FDA has consistently failed to apply the

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-Rig Veda, vii, 65

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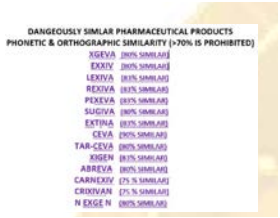
self-imposed guidelines in its approval process. In approving several of the following products, the FDA has failed to live up to its own standards and guidelines:



These percentages are not accurate (unscientific estimation without POCA), although POCA software is available for free[45]. Several of the above-listed compounds are approved in the US for marketing without the POCA review at all[46].

FOOD

Since 1958, the FDA has allowed everyday ingredients in food without requiring a lengthy approval process for them. Food companies and their suppliers have never had to prove, for example, that vinegar, vegetable oil or sugar are safe; they are allowed in food under the Generally Recognized as Safe (GRAS) program. The Natural Resources Defense Council (NRDC) about GRAS in which it refers to the program as the Generally Recognized as Secret[47], reveals a don't ask/tell system in which as many as 1,000 additives have been self-declared safe by the companies that make them. This is the American honor system, in which we believe that corporations are people and friends[48].

NO SOLUTION

USFDA is the leader in the world responsible for the innovative healthcare solutions with medicines, devices, dietary goods, and technologies improving the life and increasing the lifespan of human animals across the world. USFDA's team is the entire world's biotech & pharmaceutical industry. According to an article in Forbes Magazine, entitled, How To Fast-Track Any Team To Success, *leaders have natural biases with heart- or head- oriented behaviors. If you want to accelerate your team's path to thriving together, you have to excel at engaging people rationally and emotionally. Leverage the style that feels second-nature to you* and *commit yourself to experimenting with ways of leading that take you outside your comfort zone*[49].

However, most of **US** including the Congress, Executive, Judiciary, and corporations have the natural tendency to be authoritarian while preaching democracy with dictatorial behavior neither heart- nor head- oriented, but ego-centric style as clearly evident in our (US) presentations to the world at various forums like the United Nations, for example, when we blame **Made-Up- Demons** (some deliberately created by **US**) like Slobodan Milosevic (WEST/Madeline Albright/Bill Clinton[50]), Saddam Hussain (WEST/Colin Powell/GW Bush), Col Qaddafi (WEST/Hillary Clinton/Barak Hussain Obama)), or Bashar Al Assad (WEST/Nicki Haley/Donald Trump), we are *the*

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most righteous and the ONLY protector of the world (for Opium and fuel)[51] and go with one or two poodles with us to the war killing millions of people in *hithole countries[52].

Same is true for every US federal agency and corporation. We leverage the style that feels second-nature to US - the dictatorship of US to the world under the umbrella of democracy for US. The result is "-***EX-EEVAAH***" for BROKEN BONES IN cancer, BROKEN BONES IN osteoporosis, and BROKEN BONES IN AIDS - WHAT A PANCEA! HATS OFF TO **US**. It would be unpatriotic not to recognize how great it is for **US** *excluding aliens in US from* ***US***[53].

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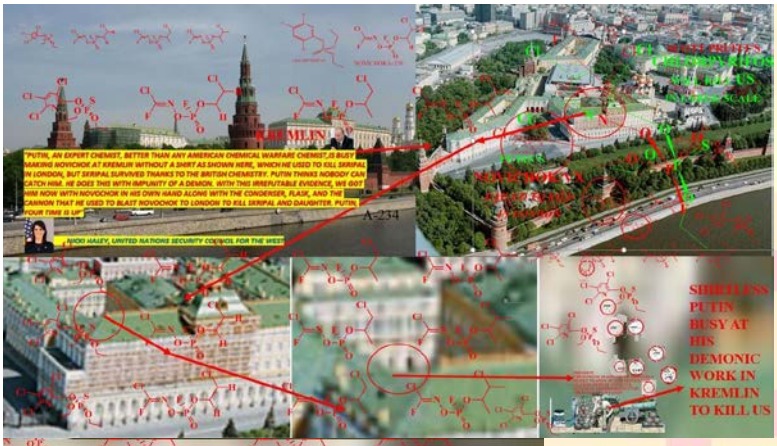
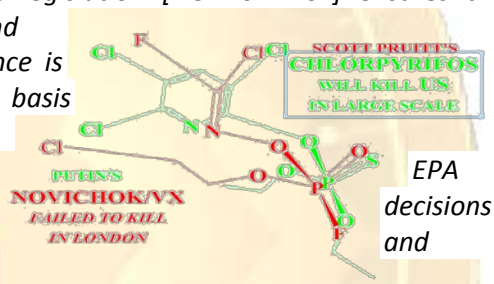
PRUITT WILL KILL "US"



PRUITT WILL KILL "US" WITH SMITH'S HONEST ACT, TRANSPARENT EPA, CHLORPYRIFOS WITHOUT SECRET JUNK SCIENCE, BEFORE PUTIN'S USELESS NOVICHOK KILLS "US."

"This legislation [HONEST ACT] ensures that sound science is the basis for



EPA decisions and regulatory actions," Representative Lamar Smith (R-Texas), Chairman of the House Science Committee.

This HONEST ACT facilitates overruling EPA recommendations by its own master, e.g., EPA Administrator Scott Pruitt overruled EPA's recommendations on organophosphorus nerve agents known as chlorpyrifos NERVE AGENTS, rejecting a petition to ban use of these compounds which are similar to the Acetylcholinesterase Inhibitor (AChI) Insecticide compound in the recent ***ALLEGED FAILED poisoning of Russian refugees in London by PUTIN***. By reversing the previous administration's steps to ban one of the most widely used pesticides in the world, we are returning to using sound science in decision-making—rather than predetermined results.

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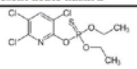
Hopefully, UK will learn from US that these nerve agents are good and non-poisonous for US and so they must be good and non-poisonous for UK and Russian refugees in London also; as evidenced by the survival of the Russian refugees in London after exposed to the insecticidal nerve agent made by Putin in his garage in Kremlin, which is not a miracle but a fact of life, as Scott Pruitt proved and EPA had to agree to reverse the previous stupid policy of banning good nerve agents classified under World Health Organization (WHO) classification of hazardous materials and chemical weapons as HAZARDOUS WHO Class II (KILLS AT 50 PPM), while Saran, Sonam, Tabun, VX, Novichok, etc. are just a notch up at WHO Class I (KILLS AT LESS THAN 50 PPM)[54].

Climate Change Is Fake, Fake, Fake; Putin Clinton Gore Comey Are Behind All Of This Fake Nonsense To Make Money Using Job-Killing,Carcinogen-Coal-Tar-Benzene-Industry Killing, Anti-Cancer-Big-Pharma-Killing, Stupid Green And Renewable Technologies; Real Evidence Is With Us (Trump & Pruitt) And West@Realdonaldtrump; Who Cares If Some *HITHOLE Countries In The Indian Ocean Disappear? Us - Not Responsible And No Asylum For Those Human Animals From *HITHOLE Countries In The Indian And Pacific Oceans.

WORLD HEALTH ORGANIZATION (WHO) CLASS I CHEMICAL WARFARE AGENTS AND CHLORPYRIFOS

WHO Class		LD_{50} for the rat (mg/kg body weight)	
		Oral	Dermal
Ia	Extremely hazardous	< 5	< 50
Ib	Highly hazardous	5–50	50–200
II	Moderately hazardous	50–2000	200–2000
III	Slightly hazardous	Over 2000	Over 2000
U	Unlikely to present acute hazard	5000 or higher	



CHLORPYRIFOS (WHO CLASS II)

One of the most abundant and most toxic chemical warfare agents in the chemical arsenals of the USA and Russia is VX: American-VX (AVX) and Russian-VX (RVX), respectively. The arbitrary name VX relates to a group of O, *S*-diesters of methylphosphonic acid

$ROPO(CH_3)\text{-}S(CH_2)_2N(R^1)_2$.

V-gases are low-volatile liquids with high boiling points and, therefore, they are much more persistent than higher volatility organophosphorus (OP) agents of the G-series, such as SARIN, SOMAN, or TABUN. V-series compounds are more toxic than OP nerve agents of the G-series. Poisoning occurs irrespective of the route of exposure; specifically inhalation, ingestion of vaporous and liquid agents through the intact or injured skin or eye mucosa, and on contact with contaminated surfaces. *CHLORPYRIFOS , NOVICHOK, RVX, and AVX NERVE AGENTS are acetylcholinesterase inhibitors similar to any other phosphate-based nerve agent and* inhibit the production of cholinesterase resulting in a surplus of acetylcholine affecting the nervous and skeletal systems.

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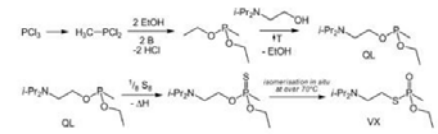
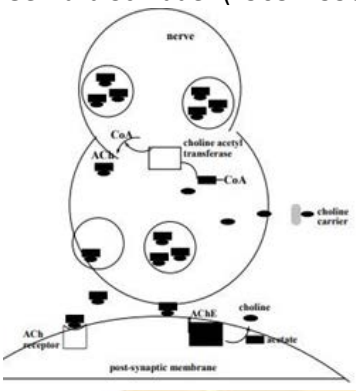


The synthesis of OP inhibitors of cholinesterase started with two compounds separately. The synthesis of tetraethyl-pyrophosphate by Moschnine and de Clermont and its toxicity was learned about half a century later. Parallelly, in 1898, diethylamido-ethoxy-phosphoryl-cyanide was synthesized by the pharmacist Adolph Schall. In 1937, the toxicity of this class of compounds was discovered by Gerhard Schrader (1903–1990).



Acetylcholinesterase is involved in the termination of impulse transmission by rapid hydrolysis of the neurotransmitter acetylcholine in numerous cholinergic pathways in the central and peripheral nervous systems. The enzyme inactivation, induced by various inhibitors, leads to acetylcholine accumulation, hyperstimulation of nicotinic and muscarinic receptors, and disrupted neurotransmission. Hence, acetylcholinesterase inhibitors, interacting with the enzyme as their primary target, are applied as relevant drugs and toxins. In the case of reversible inhibitors being commonly applied in neurodegenerative disorders treatment, special attention is paid to currently approved drugs (donepezil, rivastigmine, and galantamine) in the pharmacotherapy of Alzheimer's disease, and toxic carbamates used as pesticides. Subsequently, mechanism of irreversible acetylcholinesterase inhibition induced by organophosphorus compounds (insecticides and nerve agents), and their specific and

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ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यम भर्गो देवस्य धीमहि। धियो यो नः प्रचोदयात॥

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nonspecific toxic effects are described, as well as irreversible inhibitors having a pharmacological implementation. In addition, the pharmacological treatment of intoxication caused by organophosphates is presented, with emphasis on oxime reactivators of the inhibited enzyme activity administering as causal drugs after the poisoning. Besides, organophosphorus and carbamate insecticides can be detoxified in mammals through enzymatic hydrolysis before they reach targets in the nervous system. Carboxylesterases most effectively decompose carbamates, whereas the most successful route of organophosphates detoxification is their degradation by corresponding phosphotriesterases. The most effective antidote complex for treating acute intoxications with RVX or AVX consists of an antagonist of M-cholinoceptors, a reversible inhibitor of cholinesterase, and a reactivator of cholinesterase. In addition, anticonvulsants can be used in cases where convulsions occur.

AVX (https://pubchem. ncbi.nlm .nih.gov/ compound/ 39793# section =Top). PubChem CID: 39793

AVX is one of the most toxic of the known chemical warfare nerve agents. It is tasteless and odorless. Exposure to AVX can cause death in minutes. As little as one drop of AVX on the skin can be fatal. Nerve agents are chemically similar to organophosphate pesticides and exert their effects by interfering with the normal function of the nervous system.

FIRST Responders should use a NIOSH-certified Chemical, Biological, Radiological, Nuclear (CBRN) Self Contained Breathing Apparatus (SCBA) with a Level A protective suit when entering an area with an unknown contaminant or when entering an area where the concentration of the contaminant is unknown. Level A protection should be used until monitoring results confirm the contaminant and the concentration of the contaminant.

Chemical Names:1. 50782-69-9; Tx 60; 2. VX (van); VX; 3. VX (nerve agent); 4. CCRIS 3351; 5. agent VX 6. EDIM 7. ethyl ((2-(bis(propan-2-yl)amino)ethyl)sulfanyl)(methyl)phosphinate 8. methylphosphonothioate; 9. O-ethyl S-(2-diisopropylaminoethyl)methylphosphonothioate; 10. S-(2-diisopropylaminoethyl)ethylmethyl phosphonothioate.

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PATENTS AND PATENT APPLICATIONS https://pubchem.ncbi.nlm.nih.gov/compound/39793#section=Patents

1) US6417236: Active topical skin protectants using hybrid organic polysilsesquioxane materials
2) US9617526: Mutated organophosphorus acid anhydrolases and their uses thereof
3) US2016108096: Fusion Proteins, Recombinant Bacteria, And Methods For Using Recombinant Bacteria
4) US2013343994: Cholinesterase Inhibitors
5) US2017197996: Cholinesterase Inhibitors

RVX (https://pubchem.ncbi.nlm.nih.gov/compound/178033#section=Top) (National Center for Biotechnology Information. PubChem Compound Database; CID=178033, https://pubchem.ncbi.nlm.nih.gov/compound/178033 (accessed Apr. 24, 2018)) PubChem CID: 178033 (https://www.sciencedirect.com/topics/neuroscience/novichok-agent)

Chemical Names: 1. Russian VX; 2. VR nerve agent; 3. R-VX; 4. S-(N,N-DEA)IMPT; 5. 159939-87-4; 6. VR [chemical warfare agent]; 7. VR (nerve agent); 8. R 33; 9. R-33; 10. RVX; 11. O-(iso-Butyl) S-(2-diethylaminoethyl) methylphosphonothiolate; 12. Phosphonothioic acid, methyl-, S-(2diethylamino)ethyl) O-(2-methylpropyl) ester; 13. SCHEMBL961275; 14. AC1L434C; 15. CTK4D0268; 16. CHEBI:140422; 17. MNLAVFK VRU QAKW-UHFFFA OYSA-N; 18. LS-107134; 19. O-isobutyl S-(2-diethylaminoethyl) methylthiophosphonate; 20. o-iso butyls- (2-(diethylamino)ethyl) methylphosphonothioate; 21. O-isobutyl S-[2-(diethylamino)ethyl] methyl phosphono thioate; 22. S-[2-(Diethylamino) ethyl] o-isobutyl methyl phosphonothioate #; 23. N,N-diethyl-2-[methyl(2-methylpropoxy) phosphoryl]sulfanylethanamine; 24. S-[2-(diethylamino)ethyl] O-(2-methylpropyl) methylphosphonothioate; 25. Phosphonothioic acid, methyl-, S-(2-diethylaminoethyl), O-2-methylpropyl ester; 26. Phosphonothioic acid,P-methyl-, S-[2-(diethylamino)ethyl] O-(2-methylpropyl) ester; 27. 130124-54-8

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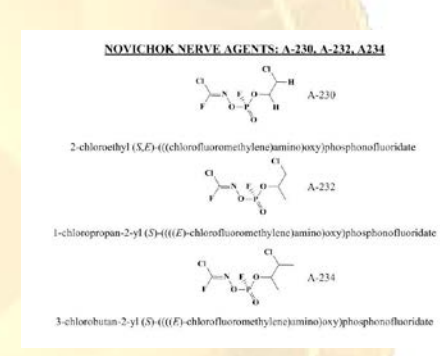
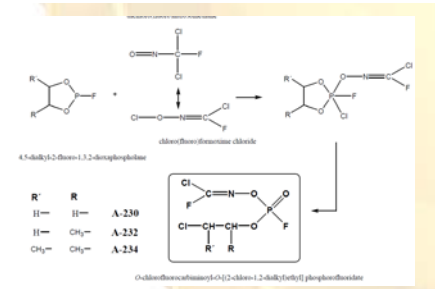
VENDORS:1) 1717 CheMall Corporation, 222 Terrace Drive, Mundelein, IL, United States, 60060 (http://www.1717chem. com); 2) MuseChem - Division of Adv Biolabs, Inc., 7220 Rosemead Blvd, Suite 202-10, San Gabriel, CA, United States, 91775 (http: // www. musechem. com); 3) Chemtik, Stresemannstrasse 79, Berlin, Berlin, Germany, Germany, 10963 (http: //www. chemtik. com); 4) Chemieliva Pharmaceutical Co., Ltd., Office 1303 Building 8, QiXia Road NO.16, New North Zone || sales@chemieliva.com, Chongqing, Chongqing, China, 401122; 5) Shanghai Zhihua ChemTech Inc., 345 Shilong Road, Suite 27-E, Shanghai, Shanghai, China, 200232 (http://www.chembase.cn)

PATENTS AND PATENT APPLICATIONS

1) US9675591: Methods For Treating Seizure Disorders And Pain
2) US9617526: Mutated organophosphorus acid anhydrolases and their uses thereof
3) US2016184445: Butyrylcholinesterase Zwitterionic Polymer Conjugates
4) US2016355792: Engineered Organophosphorus Acid Anhydrolases
5) US2017246188: Method Of Treating Organophosphate Intoxication



NOVICHOK (A-230, A-232, A-234) (Analysis of chemical warfare agents January 2004 HalámekZbynek KoblihaZbynek KoblihaVladimír PitschmannVladimír Pitschmann Univerzita obrany. Ústav ochrany proti zbraním hromadného ničení. https://www.researchgate. net/ publication/ 47067221 _Analysis_of_chemical_warfare_agents)



The argument that the Russian Federation has developed Novichok (newcomer) agents to avoid the 2005 Convention On The Prohibition Of The Development, Production, Stockpiling And Use Of Chemical Weapons And On Their Destruction (2005 Convention)does not hold water in light of the NOVICHOK (A-230, A-232, A-234) (Halamek et al., Analysis of chemical warfare agents (January 2004)) PUBLISHED January 2004. The Organization for the Prohibition of Chemical Weapons (OPCW)'s failure to include Novichok agents described in 2004 Halamek Report as the most deadly agents on earth and about 10-times deadly compared to the AVX and RVX along with the synthetic procedures is **not clear**. In addition, **NOVICHOK** agents were probably novel but obvious (lack

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inventive step) in the last century when Russians developed in view of Sarin/Soman, Tabun, Glyphosate, Parathion, and Chlorpyrifos chemical structures.

This group of potential binary nerve warfare agents, developed in Russia probably during the eighties and nineties, is unofficially regarded as the third and the fourth generation of nerve CWAs [1-7]. These agents allegedly have been developed as part of the FOLIANT project and the compounds, as well as their precursors, are called NOVICHOK (newcomer) [8]. There are only scarce pieces of information on them and almost no analytical data. They are strong ACHE inhibitors, allegedly 10x stronger than VX compound [9] and, therefore, they can be determined by the cholinesterase reaction and by chemical reconnaissance and check tools based on this reaction [10-12].

Table 3
Outline of detection reactions for current organophosphorus CWAs (a variant)

Reaction	GA	GB	GD	GF	VX	R33	GP	A-230/2/4
1.	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕
2.	⊕	⊕	⊕	⊕	-	-	-	?
3.	⊕	-	-	-	-	-	-	-
4.	-	⊕	⊕	⊕	-	-	⊕	⊕
5.	-	⊕	-	-	-	-	-	?
6.	-	-	⊕	-	-	-	-	?
7.	- *	-	-	-	⊕	⊕	⊕	-
8.	-	-	-	-	⊕	⊕	-	-
9.	-	-	-	-	-	-	-	⊕
10.	⊕	⊕	⊕	⊕	⊕	-	-	-

Caption: ⊕ / - positive / negative reaction; ? – information missing
* tabun can lose dimethylamine

Moreover, it is known that the effect on ACHE is rapid, and thus a modified cholinesterase reaction, utilizing the effect of oxime reactivators on the enzyme-inhibitor complex, will have no marked effect (see Supplement to Chapters 2.9- 2.17). As evident from the structure of these compounds, it will be easy to liberate fluoride or chloride ions using a nucleophilic substitution reaction and then to detect them. From what has been said above it is clear that within the framework of systematic analysis of a sample of nerve compounds it will not be difficult to differentiate and determine this new group of CWAs, although some analytical procedures and reactions still remain to be verified. Because of an order of magnitude higher toxicity of these new and potentially very dangerous CWAs, the chemical reconnaissance and check tools necessarily should exhibit a correspondingly higher sensitivity. For a majority of the existing automatic warning systems based on physical detection principles, this fundamental requirement will be met only with great difficulty. On the other hand, one may expect that devices and methods based on the cholinesterase reaction will still meet this requirement because the toxicity of these compounds corresponds with the inhibitory effects on ACHE and thus with the detection limit of the cholinesterase method and the devices based on them. Table 3 shows detection reactions for current organophosphorus CWAs which may serve as a basis for frontal or systematic analysis of a sample according to the development diagram.

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Detection reactions: 1. Biochemical cholinesterase reaction, the determination of ACHE inhibitors. 2. SCHÖNEMANN aminoperoxide reaction, differentiation between the G- and V-series compounds according to nucleophilic substitution reactions. 3. KÖNIG-ZINCKE reaction, the detection of cyanides for the identification of tabun. 4. Indirect proof of fluoride ions by zirconium-alizarin lake after the hydrolysis. 5. Reaction with p-dimethylaminobenzaldehyde in dichloroethane and with concentrated sulfuric acid, the proof of alkoxy (isopropoxy) group. 6. Reaction in dichloroethane with vanillin in sulfuric acid, the proof of alkoxy (pinacolyloxy) group. 7. DRAGENDORFF reagent and other reactions for tertiary amines and alkaloids. 8. ELLMAN reagent or precipitation with Hg 2+, reaction for thiols after the alkaline hydrolysis. 9. Detection of chlorides with silver nitrate after the alkaline hydrolysis. 10. Modified cholinesterase reaction with an oxime (N-ethylpyridinium-2-aldoxime).

With regard to point 10, the modified cholinesterase reaction with oximes is based on the formation of characteristic enzyme-inhibitor complexes between ACHE and the individual inhibitors (organophosphorus CWAs). These inhibitors are acylating and irreversible, but immediately after the formation of the complex, they remain reversible for some time. This time interval is different for particular inhibitors as well as the possibility of cleaving the complex acetylcholinesterase-organophosphorus CWA by the reaction with a suitable oxime.

A great number of current organophosphorus agents may be selectively determined by the combination of the enzyme incubation time and the inhibitor, the time of action of the reactivator on the enzyme-inhibitor complex, and by the reactivator concentration and structure. The use of a specific enzyme, acetylcholin- esterase, immobilized on a solid polysaccharide-based support is very advantageous. Such enzyme chimera of high stability has been used in the construction of the DETEHIT colorimetric biosensor. Currently, the distinction of VX and R-33 isomeric compounds that are homologs to each other at the same time is not possible without the use of physico-chemical separation and spectral methods [13-19].

Similarly to the GP compound, A-230, 232, and 234 compounds (or their precursors) denoted as NOVICHOKs will not give the modified cholinesterase reaction with oximes, even though they are halophosphorylated oximes.

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ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यम भर्गो देवस्य धीमहि। धियो यो नः प्रचोदयात॥

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18. HOSKOVCOVÁ, M., HALÁMEK, E., KOBLIHA, Z., TUŠAROVÁ, I.: Reactivation of immobilized acetylcholinesterase-tabun complex by methoxime and its homologues. *Drug and Chemical Toxicology*, 30, 2, 2007, s. 1-7.

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NOVICHOK PATENTS FOR PHOSPHONOFLUORIDATES

PAT. NO. Title

US8,920,824 Pretreatment or post exposure treatment for exposure to a toxic substance by pulmonary delivery (inhaler) of a bioscavenger (Inventor: Rosenberg; Yvonne (Washington, DC))

US8,168,175 Pretreatment or post exposure treatment for exposure to a toxic substance by pulmonary delivery (inhaler) of a bioscavenger (Inventor: Rosenberg; Yvonne (Washington, DC))

US7,439,496 Chemical identification of peroxide-based explosives (Assignee: Smiths Detection Inc. (Ontario, CA))

US4,108,746 Method of oxidative degradation of phosphorous esters (Assignee: The United States of America as represented by the Secretary of the Army (Washington, DC))

US 4,069,701 Portable agent generator (Assignee: The United States of America as represented by the Secretary of the Army (Washington, DC))

US 20170231260 HYDROPHOBIN MIMICS: PROCESS FOR PREPARATION THEREOF A hydrophobin mimic, selected from the group consisting of; i. a conjugate of serine protease and ethyl (1-(1-(3,4,5-tris(dodecyloxy)benzyl)-1H-1,2,3-triazol-4-yl)-2,5,8,11,14,1- 7,20,23-octaoxapentacosan-25-yl) phosphono fluoridate (serine protease-C12-3T); ii. a conjugate of trypsin and ethyl (1-(1-(4-(dodecyloxy)benzyl)-1H-1,2,3-triazol-4-yl)-2,5,8,11,14,17,20,23--octaoxapentacosan-25-yl)*phosphonofluoridate* (trypsin-OEG-C12-1T); iii. a conjugate of trypsin and ethyl (1-(1-(4-(octadecyloxy)benzyl)-1H-1,2,3-triazol-4-yl)-2,5,8,11,14,17,20,2- 3-octaoxapentacosan-25-yl)*phosphonofluoridate* (trypsin-OEG-C18-1T); iv. a conjugate of trypsin and ethyl (1-(1-(3,5-bis(hexyloxy)benzyl)-1H-1,2,3-triazol-4-yl)-2,5,8,11,14,17,20,- 23-octaoxapentacosan-25-yl) *phosphonofluoridate* (Trypsin-OEG-C6-2T); v. a conjugate of trypsin and ethyl (1-(1-(3,5-bis(dodecyloxy)benzyl)-1H-1,2,3-triazol-4-yl)-2,5,8,11,14,17,2- 0,23-octaoxa pentacosan-25-yl) *phosphono fluoridate* (trypsin-OEG-C12-2T); vi. a conjugate of trypsin and ethyl (1-(1-(3,5-bis (octadecyloxy) benzyl)-1H-1,2,3-triazol-4-yl)-2,5,8,11,14,17-,20,23- octaoxa pentacosan-25-yl) *phosphono fluoridate* (trypsin-OEG-C18-2T); vii. a conjugate of trypsin and ethyl (1-(1-(3,4,5-tris(hexyloxy)benzyl)-1H-1,2,3-

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ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यम भर्गो देवस्य धीमहि। धियो यो नः प्रचोदयात॥

Issue 168

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేదు | डॉक्टर श्रीनिवासराव वेपचेदु| Dr. Sreenivasarao Vepachedu[1]

triazol-4-yl)-2,5,8,11,14,17,- 20,23-octaoxapentacosan-25-yl)*phosphonofluoridate* (trypsin-OEG-C6-3T); viii. a conjugate of trypsin and ethyl (1-(1-(3,4,5-tris(dodecyloxy)benzyl)-1H-1,2,3-triazol-4-yl)-2,5,8,11,14,1- 7,20,23-octaoxapentacosan-25-yl)*phosphonofluoridate* (trypsin-OEG-C12-3T); ix. a conjugate of trypsin and ethyl (1-(1-(3,4,5-tris(octadecyloxy)benzyl)-1H-1,2,3-triazol-4-yl)-2,5,8,11,14- ,17,20,23-octaoxapentacosan-25-yl)*phosphono fluoridate* (trypsin-OEG-C18-3T); x. a conjugate of trypsin and Ethyl (2-(2-((1-(3,4,5-tris(dodecyloxy)benzyl)-1H-1,2,3-triazol-4-yl)methoxy)et- hoxy)ethyl)*phosphonofluoridate* (trypsin-DEG-C12-3T); xi. a conjugate of trypsin and ethyl (1-(1-(3,4,5-tris(dodecyloxy)benzyl)-1H-1,2,3-triazol-4-yl)-2,5,8,11-tetr- aoxatridecan-13-yl)*phosphonofluoridate* (trypsin-TEG-C12-3T); xii. a conjugate of trypsin and ethyl (1-(1-(3,4,5-tris(dodecyloxy)benzyl)-1H-1,2,3-triazol-4-yl) 2,5,8,11,14,17,20,23,26,29,32,35-dodecaoxaheptatriacontan-37-yl)*phosphono- fluoridate* (trypsin-DDEG-C12-3T); xiii. a conjugate of trypsin and ethyl (1-(1-(3,4,5-tris(dodecyloxy)benzyl)-1H-1,2,3-triazol-4-yl)-2,5,8,11,14,1- 7,20,23,26,29,32,35,38,41,44,47-hexadeca oxanona tetra contan -49-yl) *phosphono- fluoridate* (trypsin-CEG-C12-3T); and xiv. mixtures thereof.

US 20150366950 Pretreatment or post exposure treatment for exposure to a toxic substance by pulmonary delivery (inhaler) of a bioscavenger organophosphate is selected from the group consisting of sarin isopropyl-methylphosphonofluoridate), VX (ethyl-S-2-diisopropylaminoethyl-phosphano-thiolate), MEPQ (7-(methylethoxyphosphinyloxy)-1-methylquiolinium iodide), soman (pinacolylmethyl-*phosphonofluoridate*), DFP (diisopylfluorophosphate paraoxon), malathion and parathion.

US 20130156749 Pretreatment or post exposure treatment for exposure to a toxic substance by pulmonary delivery (inhaler) of a bioscavenger organophosphate is selected from the group consisting of sarin (O-isopropyl-methylphosphonofluoridate), VX (ethyl-S-2-diisopropylaminoethyl-phosphano-thiolate), MEPQ (7-(methylethoxyphosphinyloxy)-1-methylquinolinium iodide), soman (pinacolylmethyl-*phosphonofluoridate*), DFP (diisopylfluorophosphate paraoxon), malathion and parathion.

US 20120207738 Pretreatment of Post Exposure Treatment for Exposure to a Toxic Substance by Pulmonary Delivery (Inhaler) of a Bioscavenger organophosphate is selected from the group consisting of sarin (O-isopropyl-methylphosphonofluoridate), VX (ethyl-S-2-diisopropylaminoethyl-phosphano-thiolate), MEPQ (7-(methylethoxyphosphinyloxy)-1-methylquinolinium iodide), soman (pinacolylmethyl-*phosphonofluoridate*), DFP (diisopylfluorophosphate paraoxon), malathion and parathion.

US 20080230689 CHEMICAL IDENTIFICATION OF PEROXIDE-BASED EXPLOSIVES the chemical warfare agent or toxin is selected from the group consisting of amiton (VG), anthrax, chloropicrin, ethyl N,N-dimethyl

O Sun God, Savitr!
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Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
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May the golden-eyed Savitar come hither!
Shining forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stepped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
-Rig Veda, vii, 65

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phosphoramicocyanidate (Tabun), isopropyl methyl *phosphonofluoridate* (Sarin), pinacolyl methyl phosphonefluoridate (Soman), ethyl-, isopropyl ester (GE), ethyl-, S-(2-(diethylamino)ethyl) O-ethyl ester (VE), phosphonothioic acid, methyl-, S-(2-(diethylamino)ethyl) O-ethyl ester (VM), mustard-T mixture, nitrogen mustard 1, nitrogen mustard 2, nitrogen mustard 3, phenyldichloroarsine, phosgene oxime, sesqui mustard, adamsite, aflatoxin, botulinus toxin, ricin, saxitoxin, trichothecene mycotoxin, methylphosphonothioic acid S-(2-(bis(1-methylethyl)amino)ethyl) O-ethyl ester (VX), cyclohexyl methylphosphonofluoridate (GF), and combinations thereof.

US 20060099200 Pretreatment or post exposure treatment for exposure to a toxic substance by pulmonary delivery (inhaler) of a bioscavenger the chemical warfare agent or toxin is selected from the group consisting of amiton, anthrax, arsine, cyanogen chloride, hydrogen chloride, chlorine, diphosgene, PFIB, phosgene, phosgene oxime, chloropicrin, ethyl N,N-dimethyl phosphoramico cyanidate, isopropyl methyl *phosphono fluoridate,* pinacolyl methyl phosphone fluoridate, phosphono fluoridic acid, ethyl-, isopropyl ester, phosphonothioic acid, ethyl-, S-(2-(diethylamino)ethyl) O-ethyl ester, phosphono thioic acid, methyl-, S-(2-(diethylamino)ethyl) O-ethyl ester, distilled mustard, ethyl dichloro arsine, lewisite 1, lewisite 2, lewisite 3, methyldichloroarsine, mustard-lewisite mixture, mustard-T mixture, nitrogen mustard 1, nitrogen mustard 2, nitrogen mustard 3, phenyldichloroarsine, phosgene oxime, sesqui mustard, adamsite, aflatoxin, botulinus toxin, ricin, saxitoxin, trichothecene mycotoxin, methylphosphonothioic acid S-(2-(bis(1-methylethyl)amino)ethyl) O-ethyl ester, cyclohexyl methylphosphonofluoridate.

US 20050288616 Sampling swab The chemical warfare agent or toxin is selected from the group consisting of amiton, anthrax, arsine, cyanogen chloride, hydrogen chloride, chlorine, diphosgene, PFIB, phosgene, phosgene oxime, chloropicrin, ethyl N,N-dimethyl phosphoramicocyanidate, isopropyl methyl *phosphono fluoridate,* pinacolyl methyl phosphone fluoridate, phosphonofluoridic acid, ethyl-, isopropyl ester, phosphonothioic acid, ethyl-, S-(2-(diethylamino)ethyl) O-ethyl ester, phosphonothioic acid, methyl-, S-(2-(diethylamino)ethyl) O-ethyl ester, distilled mustard, ethyldichloroarsine, lewisite 1, lewisite 2, lewisite 3, methyldichloroarsine, mustard-lewisite mixture, mustard-T mixture, nitrogen mustard 1, nitrogen mustard 2, nitrogen mustard 3, phenyldichloroarsine, phosgene oxime, sesqui mustard, adamsite, aflatoxin, botulinus toxin, ricin, saxitoxin, trichothecene mycotoxin, methylphosphonothioic acid S-(2-(bis(1-methylethyl)amino)ethyl) O-ethyl ester, cyclohexyl methylphosphonofluoridate.

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స్వస్తి శ్రీ విళంబి నామ సంవత్సరము/स्वस्ति श्री हेविलम्बी नाम संवत्सर/Swasti Sri Hevilambi Year,
వైశాఖమాసము/VAISAKHA Month
Published online 1 MAY 2018

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US 20060192098 Sampling swab Organophosphate is selected from the group consisting of sarin (O-isopropyl-methylphosphonofluoridate), VX (ethyl-S-2-diisopropylaminoethyl-phosphano-thiolate), MEPQ (7-(Methylethoxyphosphinyloxy)-1-methylquinon-linium iodide), soman (pinacolymethl-*phosphonofluoridate*), DFP=diisopylfluorophosphate paraoxon, malathion and parathion

CHLORPYRIFOS https://pubchem.ncbi.nlm.nih.gov/compound/2730 National Center for Biotechnology Information. PubChem Compound Database; CID=2730, Https://pubchem.ncbi.nlm.nih.gov/compound/2730 (accessed Apr. 24, 2018).

PubChem CID:2730 https://pubchem.ncbi.nlm.nih.gov/compound/2730#section=2D-Structure

Chemical Names:

1. chlorpyrifos; 2. 2921-88-2; 3. Chlorpyriphos; 4. Dursban; 5. Trichlorpyrphos; 6. Lorsban; 7. Chlorpyrifos-ethyl; 8. Brodan; 9. Coroban; 10. Pyrinex; 11. Terial; 12. Killmaster; 13. Bonidel; 14. Danusban; 15. Geodinfos; 16. Lentrek; 17. Piridane; 18. Spannit; 19. Stipend; 20. Tafaban; 21. Durmet; 22. Equity; 23. Zidil; 24. Suscon blue; 25. Suscon green; 26. suSCon; 27. Dursban F; 28. Dursban R; 29. Lock-On; 30. Dursban 4E; 31. Chlorpyriphos-ethyl; 32. Dowco 179; 33. Ethyl chlorpyriphos; 34. Clorpyrifos; 35. Dursban 10CR; 36. Chlorpyrifos (Dursban); 37. Detmol UA; 38. Chloropyrifos; 39. Phosphorothioic acid, O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) ester; 40. Dhanusban; 41. Grofo; 42. Detmol UA; 43. Chlorpyrifos ethyl; 44. Radar (fungicide); 45. Dursban 44; 46. Lorsban 50SL; 47. Empire 20; 48. Terial 40L; 49. Chlorpyrifos [BAN]; 50. O,O-Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate; 51. Chloropyriphos; 52. Chlorpyrofos; 53. Chlorpyrophos; 54. Pageant; 55. Silrifos; 56. Caswell No. 219AA; 57. m-Chlorpyrifos; 58. XRM 429; 59. C9H11Cl3NO3PS; 60. OMS-0971; 61. XRM 5160; 62. Dursban 2E; 63. Chlorpyriphos [ISO-French]; 64. UNII-JCS58I644W; 65. ENT 27311; 66. CCRIS 7144; 67. HSDB 389; 68. Chlorpyrifos [ANSI:BSI:ISO]; 69. EINECS 220-864-4; 70. O,O-Diethyl O-(3,5,6-trichloro-2-pyridinyl)phosphorothioate; 71. EPA Pesticide Chemical Code 059101; 72. BRN 1545756; 73. Phosphorothioic acid, O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) ester; 74. AI3-27311; 75. MLS001065609; 76. JCS58I644W; 77. O,O-Diaethyl-O-3,5,6-trichlor-2-pyridylmonothiophosphat; 78. O,O-diethyl O-(3,5,6-trichloropyridin-2-yl) thiophosphate; 79. CHEBI:34631; 80. SBPBAQFWLVIOKP-UHFFFAOYSA-N; 81. 2-Pyridinol, 3,5,6-trichloro-, O-ester with O,O-diethyl phosphorothioate; 82. Chlorpyrifos (BAN); 83. O,O-Diethyl O-(3,5,6-trichloro-2-pyridyl) phsophorothioate; 84. SMR000568474; 85. DSSTox_CID_458; 86. O,O-Diaethyl-O-3,5,6-trichlor-2-pyridylmonothiophosphat [German]; 87. DSSTox_RID_75603; 88. DSSTox_GSID_20458; 89. o,o-Diethyl-o-(3,5,6-trichloro-2-pyridyl)phosphorothioate; 90. O,O-Diethyl O-(3,5,6-Trichloro-2-pyridyl) phosphorothioate; 91. O,O-

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Diethyl-O-(3,5,6-trichloro-2-pyridyl)phosphorothiolate; 92. O,O-diethyl O-(3,5,6-trichloropyridin-2-yl) phosphorothioate; 93. diethoxy-sulfanylidene-(3,5,6-trichloropyridin-2-yl)oxyphosphorane; 94. diethoxy-sulfanylidene-[(3,5,6-trichloro-2-pyridinyl)oxy]phosphorane; 95. diethoxy-sulfanylidene-[3,5,6-tris(chloranyl)pyridin-2-yl]oxy-$l^{5}-phosphane; 96. 39475-55-3; 97. CAS-2921-88-2; 98. pridane; 99. Chlorpyritos; 100. Affront; 101. Paqeann; 102. Piridann; 103. Empirn; 104. Eraden; 105. Scoun; 106. Detmol Un; 107. diethoxy-sulfanylidene-(3,5,6-trichloropyridin-2-yl)oxy-?^{5}-phosphane; 108. detmol UA; 109. Detmol UA; 110. Chlorpyrifos solution; 111. Stipend and Tricel; 112. Zodiac (TN); 113. Chloropyrifos solution; 114. Dowco 179, Dursban; 115. Spectrum_001897; 116. SpecPlus_000518; 117. Spectrum2_001230; 118. Spectrum3_000849; 119. Spectrum4_000689; 120. Spectrum5_002014; 121. C7H7Cl3NO3PS; 122. D0M5ES; 123. AC1L1EC5; 124. cid_2730; 125. Dursban, analytical standard; 126. BIDD:PXR0044; 127. SCHEMBL21680; 128. BSPBio_002437; 129. KBioGR_001157; 130. KBioSS_002427; 131. SPECTRUM330058; 132. DivK1c_006614; 133. SPBio_001080; 134. AC1Q38B6; 135. CHEMBL463210; 136. DTXSID4020458; 137. BDBM74063; 138. CTK8E8187; 139. KBio1_001558; 140. KBio2_002421; 141. KBio2_004989; 142. KBio2_007557;143. KBio3_001937; 144. SBPBAQFWLVIOKP-UHFFFAOYSA; 145. OMS 971; 146. MolPort-003-665-453; 147. HMS3039C03; 148. HMS3264O03; 149. Pharmakon1600-00330058; 150. ZINC608250; 151. Tox21_202383; 152. Tox21_300148; 153. AC-993; 154. CCG-39144; 155. ENT-27311; 156. MFCD00041800; 157. NSC755891; 158. AKOS015891656; 159. Phosphorothioic acid O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) ester; 160. ENT 27,311; 161. KS-5372; 162. LS-1137; 163. NSC-755891; 164. NCGC00091472-01; 165. NCGC00091472-02; 166. NCGC00091472-03; 167. NCGC00091472-04; 168. NCGC00091472-05; 169. NCGC00091472-06; 170. NCGC00091472-07; 171. NCGC00091472-08; 172. NCGC00091472-09; 173. NCGC00253974-01; 174. NCGC00259932-01; 175. AN-15356; 176. BC220240; 177. CC-25729; 178. Chlorpyrifos 10 microg/mL in Cyclohexane; 179. O799; 180. SC-47023; 181. ZB014607; 182. Chlorpyrifos 10 microg/mL in Acetonitrile; 183.Chlorpyrifos 100 microg/mL in Cyclohexane; 184. SBI-0052543.P002; 185. Chlorpyrifos 100 microg/mL in Acetonitrile; 186. TR-036379; 187. 6162P; 188. FT-0602970; 189. C14322; 190. D07688; 191. M-1133; 192. 26848-EP2274983A1; 193. 26848-EP2275422A1; 194. 26848-EP2280002A1; 195. 26848-EP2280009A1; 196. 26848-EP2292608A1; 197. 26848-EP2305662A1; 198. 26848-EP2308857A1; 199. 26848-EP2308858A1; 200. 26848-EP2311816A1; 201. 26848-EP2311817A1; 202. 26848-EP2314583A1; 203. 88579-EP2298076A1; 204. 88579-EP2298077A1; 205. 88579-EP2301353A1; 206. 88579-EP2305031A1; 207. 88579-EP2305034A1; 208. 88579-EP2305035A1; 209. 88579-EP2305662A1; 210. AB00053051_06;

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211. Chlorpyrifos, PESTANAL(R), analytical standard; 212. 921C882; 213. A819822; 214. C-20634; 215. SR-01000854727; 216. I02-0698; 217. I06-1337; 218. J-017440; 219. SR-01000854727-2; 220. BRD-K08303368-001-02-7; 221. Chlorpyrifos Solution, 100 mg/L, (RM, ISO Guide 34); 222. Chlorpyrifos, certified reference material, TraceCERT(R); 223. Diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate; 224. O,O-Diethyl O-3,5,6-trichloro-2-pyridylphosphorothioate; 225. O,O- diethyl-O-(3,5,6-trichloro-2-pyridyl)thiophosphate; 226. diethoxy-thioxo-[(3,5,6-trichloro-2-pyridyl)oxy]phosphorane; 227. O,O-Diethyl o-(3,5,6-trichloro-2-pyridinyl) thiophosphate #; 228. diethoxy-thioxo-[(3,5,6-trichloro-2-pyridyl)oxy]-$l^{5}-phosphane; 229. ethyl 3,5,6-trichloropyridin-2-yl ethoxy(sulfanylidene)phosphonite; 230. O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioic acid; 231. O,O-DIETHYL O-3,5,6-TRICHLOROPYRIDIN-2-YL PHOSPHOROTHIOATE 232. diethoxy-sulfanylidene-(3,5,6-trichloropyridin-2-yl)oxy-$l^{5}-phosphane; 233. Phosphorothioic Acid O,O-Diethyl O-(3,5,6-Trichloro-2-pyridinyl)ester;234. Chlorpyrifos solution, 100 mug/mL in acetonitrile, PESTANAL(R), analytical standard; 235.12768-48-8; 236. Chlorpyrifos solution, certified reference material, TraceCERT(R), 1000 mug/mL in methyl tert-butyl ether, ampule of 1 mL; 237. InChI=1/C9H11Cl3NO3PS/c1-3-14-17(18,15-4-2)16-9-7(11)5-6(10)8(12)13-9/h5H,3-4H2,1-2H3;

VENDORS

1) Angene Chemical; 2) AK Scientific, Inc. (AKSCI); 3) Alfa Chemistry; 4) Acadechem; 5) Key Organics/BIONET; 6) Sigma-Aldrich; 7) LGC Standards; 8) Chemhere; 9) AHH Chemical co.,ltd; 10) Biosynth; 11) ChemTik; 12) Aurum Pharmatech LLC; 13) TargetMol; 14) labseeker; 15) LabNetwork, a WuXi AppTec Company; 16) Chembase.cn; 17) MuseChem; 18) 1717 CheMall Corporation;19) Yuhao Chemical; 20) A&J Pharmtech CO., LTD.; 21) Boerchem; 22) Acorn PharmaTech Product List; 23) AKos Consulting & Solutions; 24) Amadis Chemical; 25) abcr GmbH; 26) AN PharmaTech; 27) MolPort; 28) Chemieliva Pharmaceutical Co., Ltd; 29) Chem-Space.com Database; 30) Aurora Fine Chemicals LLC; 31) Ambinter; 32) Hangzhou APIChem Technology; 33) ZINC; 34) Finetech Industry Limited; 35) Wubei-Biochem; 36) OChem; 37) Clearsynth; 38) Tractus

The dangerous Sarin/Soman type phosphonofluoridate derivatives available on the market: (https://www.ncbi.nlm.nih.gov/pccompound/?term=PHOSPHONOFLUORIDATE)

1. 2-[fluoro(methyl)phosphoryl]oxypropane; 2. 3-[fluoro(methyl)phosphoryl]oxy-2,2-dimethylbutane; 3. 2-[dimethylamino(fluoro)phosphoryl]-N,N-dimethylethanamine; 4. 1-[fluoro(methyl) phosphoryl]oxyethane; 5. [2-[fluoro(hexoxy)phosphoryl]-1-phenylethyl]benzene; 6. [2-[fluoro(pentoxy) phosphoryl]-1-phenylethyl]benzene;

ॐ असतो मा सद्गमय । तमसो मा ज्योतिर्गमय । मृत्योर्मा अमृतं गमय । ॐ शान्तिः शान्तिः शान्तिः ॥

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Glowing eternally!

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-Rig Veda, vii, 65

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Issue 168

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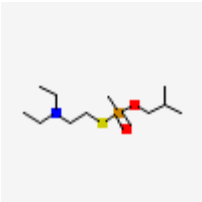
7. [2-[butoxy(fluoro)phosphoryl]-1-phenylethyl]benzene; 8. [2-[fluoro(propoxy)phosphoryl]-1-phenylethyl]benzene; 9. [2-[ethoxy(fluoro)phosphoryl]-1-phenylethyl]benzene; 10. [2-[fluoro(methoxy)phosphoryl]-1-phenylethyl]benzene; 11. [[ethoxy(fluoro) phosphoryl]-isocyanatomethyl]benzene; 12. [2-(2-chloroethoxy)ethenyl-fluorophosphoryl]oxybenzene; 13. [2-[fluoro(2-methylpropoxy)phosphoryl]-1-phenylethyl]benzene; 14. [2-[fluoro(propan-2-yloxy) phosphoryl]-1-phenylethyl]benzene; 15. ethyl N-[ethoxy-[ethoxy(fluoro)phosphoryl]methyl]carbamate; 16. ethyl N-[bis[ethoxy(fluoro)phosphoryl]methyl]carbamate; 17. fluoro-methoxy-oxophosphanium; 18. 3,3-dimethylbutoxy-fluoro-oxophosphanium; 19. 2-[fluoro(methoxy)phosphoryl]propane; 20. fluoro-oxo-(2,3,3-trimethylbutoxy)phosphanium;21. 3,3-dimethylbutan-2-yloxy-fluoro-oxophosphanium; 22. 4-[ethoxy (fluoro) phosphoryl]-2,3,5,6-tetrafluoropyridine; 23. ethyl 2-chloro-2-ethoxy-2-[ethoxy(fluoro) phosphoryl]acetate; 24. ethoxy-[10-(hept-6-enylcarbamoyloxy)decyl]phosphinic acid; 25. Ethyl 10-oxo-10-(5-(5-(2-oxohexahydro-1H-thieno[3,4-d]imidazol-4-yl)pentanamido) pentylamino) (ecylphosphonofluoridate

Links from PubChem Compound

Items: 42

Select item 178033 1.



Russian VX; VR nerve agent; R-VX ...

MW:

267.368

g/mol

MF:

$C_{11}H_{26}NO_2PS$

IUPAC name:

N,N-diethyl-2-[methyl(2-methylpropoxy)phosphoryl]sulfanyleth...

Issue 168

5119 కలి కాలము/Kali Era| 2075 విక్రమార్క కాలము/Vikramarka Era|1939 శాలివాహన కాలము/Salivahana Era

స్వస్తి శ్రీ విళంబి నామ సంవత్సరము/स्वस्ति श्री हेविलम्बी नाम संवत्सर/Swasti Sri Hevilambi Year,

వైశాఖమాసము/VAISAKHA Month

Published online 1 MAY 2018

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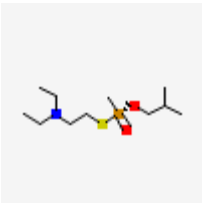
Create Date:
2005-03-27
CID:
178033
Summary Similar CompoundsSame Parent, ConnectivityPubMed (MeSH Keyword)

Select item 76965392 2.



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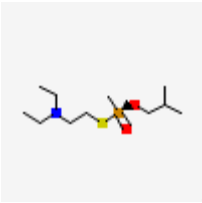
Summary Similar CompoundsSame Parent, ConnectivityMixture/Component Compounds Select item 76965391



3. SCHEMBL18295171; UNII-LG34LSI9IU component MNLAVFKVRUQAKW-OAHLLOKOSA-N
MW: 267.368 g/mol
MF:
$C_{11}H_{26}NO_2PS$
IUPAC name:
N,N-diethyl-2-[methyl(2-methylpropoxy)phosphoryl]sulfanyleth...
Create Date:

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స్వస్తి శ్రీ విళంబి నామ సంవత్సరము/स्वस्ति श्री हेविलम्बी नाम संवत्सर/Swasti Sri Hevilambi Year,
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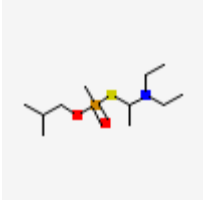
2014-08-25
CID:
76965391
Summary Similar CompoundsSame Parent, ConnectivityMixture/Component Compounds

Select item 87972644 4.



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g/mol
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Create Date:
2015-02-12
CID:
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Summary Similar CompoundsSame Parent, Connectivity

Select item 132553116 5.

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5119 కలి కాలము/Kali Era| 2075 విక్రమార్క కాలము/Vikramarka Era|1939 శాలివాహన కాలము/Salivahana Era
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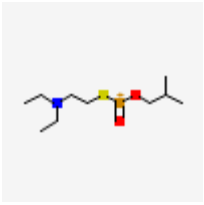

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g/mol

MF:

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IUPAC name:

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Create Date:

2018-04-08

CID:

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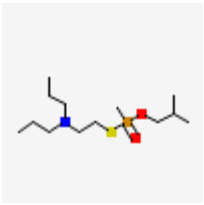

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MW:

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g/mol
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Summary Similar CompoundsSame Parent, Connectivity

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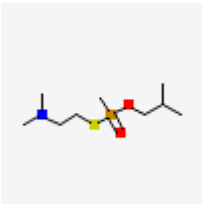

BRN 1865854; O-i-Butyl-S-(2-dimethylaminoetyl)-metylfosfonothioatu [Czech]; S-(2-(Dimethylamino)ethyl) O-(isobutyl) methylphosphonothioate ...
MW:
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g/mol
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2005-08-09
CID:

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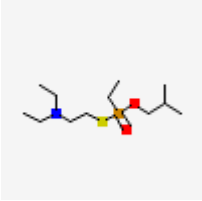
3043820
Summary Similar CompoundsSame Parent, Connectivity

Select item 559710 8.



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Create Date:
2005-03-27
CID:
559710
Summary Similar CompoundsSame Parent, Connectivity

Select item 118481945 9.

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స్వస్తి శ్రీ విళంబి నామ సంవత్సరము/स्वस्ति श्री हेविलम्बी नाम संवत्सर/Swasti Sri Hevilambi Year,
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-Rig Veda, vii, 65

శ్రీ వేపచేదు విద్యా పీఠము

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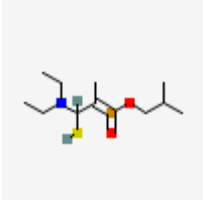
Issue 168

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేదు | డాక్టర శ్రీనివాసరావు వేపచెదు| Dr. Sreenivasarao Vepachedu[1]



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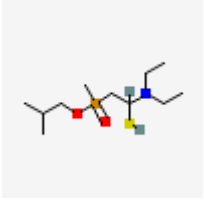

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5119 కలి కాలము/Kali Era| 2075 విక్రమార్క కాలము/Vikramarka Era|1939 శాలివాహన కాలము/Salivahana Era
స్వస్తి శ్రీ విళంబి నామ సంవత్సరము/स्वस्ति श्री हेविलम्बी नाम संवत्सर/Swasti Sri Hevilambi Year,
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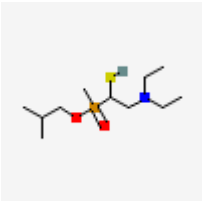

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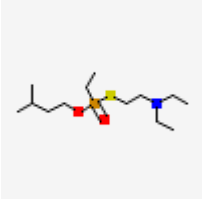

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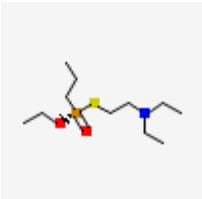

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g/mol
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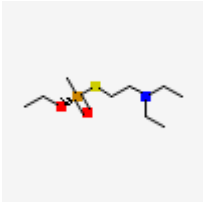

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Issue 168

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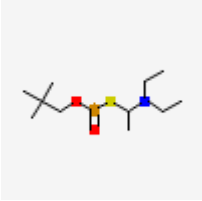

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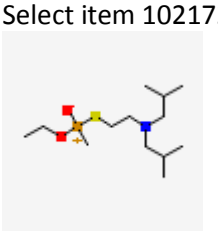

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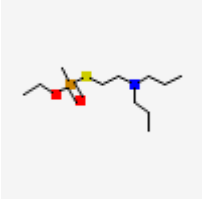

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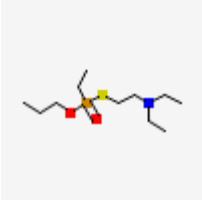

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Create Date:
2005-03-27
CID:
559708
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Select item 559704 19.

Issue 168

5119 కలి కాలము/Kali Era| 2075 విక్రమార్క కాలము/Vikramarka Era|1939 శాలివాహన కాలము/Salivahana Era
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Seeing, far-shining, the shining wanderer!
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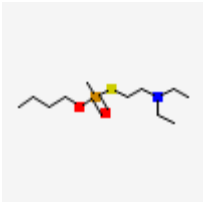

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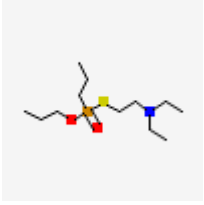

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MW:

Issue 168

5119 కలి కాలము/Kali Era| 2075 విక్రమార్క కాలము/Vikramarka Era|1939 శాలివాహన కాలము/Salivahana Era
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281.395
g/mol
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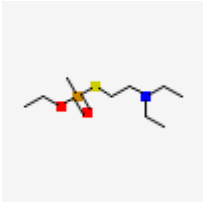

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Create Date:
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CID:

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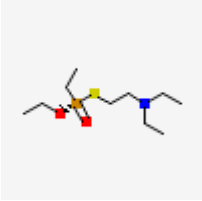
Select item 118972052 22.



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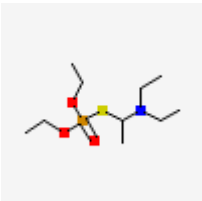

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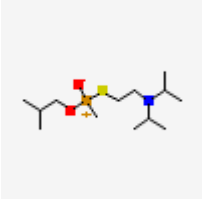

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Issue 168

5119 కలి కాలము/Kali Era| 2075 విక్రమార్క కాలము/Vikramarka Era|1939 శాలివాహన కాలము/Salivahana Era
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2015-12-17
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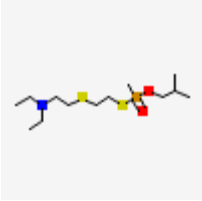

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Select item 89671424 26.

Issue 168

5119 కలి కాలము/Kali Era| 2075 విక్రమార్క కాలము/Vikramarka Era|1939 శాలివాహన కాలము/Salivahana Era
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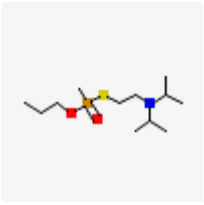

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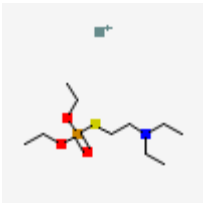

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g/mol
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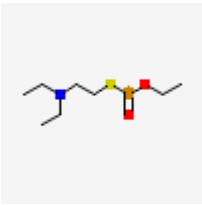

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Glowing eternally!

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Seeing, far-shining, the shining wanderer!
-Rig Veda, vii, 65

శ్రీ వేపచేదు విద్యా పీఠము

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Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేదు | डॉक्टर श्रीनिवासरावु वेपचेदु| Dr. Sreenivasarao Vepachedu[1]

Summary Similar CompoundsSame Parent, Connectivity

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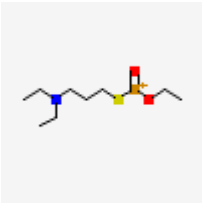

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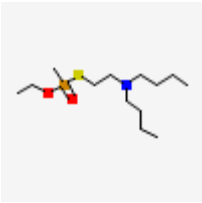

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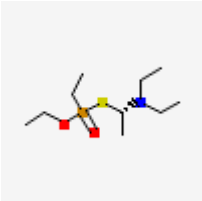

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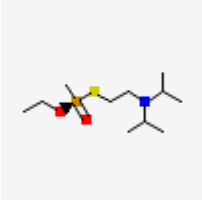

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Create Date:
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CID:
13476757
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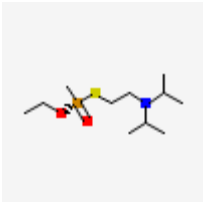

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2007-02-08
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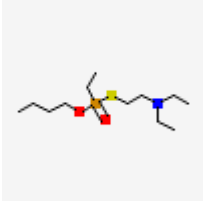

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MW:

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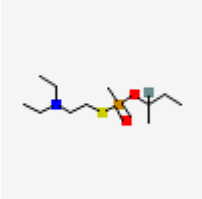

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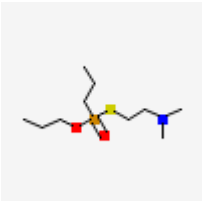

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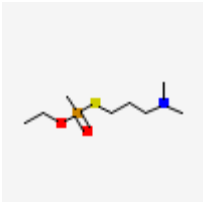

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CID:
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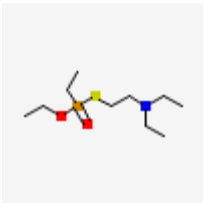
Summary Similar CompoundsSame Parent, Connectivity

Select item 65568 38.



VE (nerve agent); S-[2-(Diethylamino)ethyl] o-ethyl ethylphosphonothioate; 21738-25-0 ...
MW:
253.341

Issue 168

5119 కలి కాలము/Kali Era| 2075 విక్రమార్క కాలము/Vikramarka Era|1939 శాలివాహన కాలము/Salivahana Era
స్వస్తి శ్రీ విళంబి నామ సంవత్సరము/स्वस्ति श्री हेविलम्बी नाम संवत्सर/Swasti Sri Hevilambi Year,
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ॐ असतो मा सद्गमय । तमसो मा ज्योतिर्गमय । मृत्योर्मा अमृतं गमय । ॐ शान्तिः शान्तिः शान्तिः ॥

O Sun God, Savitr!
Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternally!

May the golden-eyed Savitar come hither!
Shining forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stepped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
-Rig Veda, vii, 65

శ్రీ వేపచేదు విద్యా పీఠము

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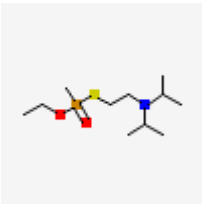
Issue 168

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేదు | डॉक्टर श्रीनिवासरावु वेपचेदु| Dr. Sreenivasarao Vepachedu[1]

g/mol
MF:
$C_{10}H_{24}NO_2PS$
IUPAC name:
2-[ethoxy(ethyl)phosphoryl]sulfanyl-N,N-diethylethanamine
Create Date:
2005-03-27
CID:
65568
Summary Similar CompoundsSame Parent, Connectivity

Select item 39793 39.



50782-69-9; Tx 60; VX (van) ...
MW:
267.368
g/mol
MF:
$C_{11}H_{26}NO_2PS$
IUPAC name:
N-[2-[ethoxy(methyl)phosphoryl]sulfanylethyl]-N-propan-2-ylp...
Create Date:
2005-03-27
CID:
39793

Issue 168

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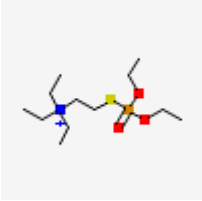
Summary Similar CompoundsSame Parent, ConnectivityMixture/Component CompoundsPubMed (MeSH Keyword)

Select item 29997 40.



BRN 3960359; (2-Mercaptoethyl)triethylammonium S-ester with O,O'-diethylphosphorothioate; AMMONIUM, (2-MERCAPTOETHYL)TRIETHYL-, S-ESTER with O,O-DIETHYLPHOSPHOROTHIOATE ...

MW:

298.402

g/mol

MF:

$C_{12}H_{29}NO_3PS^+$

IUPAC name:

2-diethoxyphosphorylsulfanylethyl(triethyl)azanium

Create Date:

2005-08-08

CID:

29997

Summary Similar CompoundsSame Parent, Connectivity

Select item 17200 41.

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5119 కలి కాలము/Kali Era| 2075 విక్రమార్క కాలము/Vikramarka Era|1939 శాలివాహన కాలము/Salivahana Era
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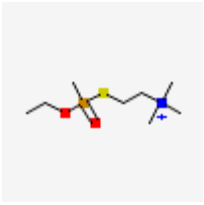
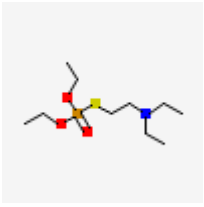


(2-Mercaptoethyl)trimethylammonium S-ester with O-ethylmethylphosphonothioate; Ammonium, (2-mercaptoethyl)trimethyl-, S-ester with O-ethylmethylphosphonothioate; AC1L29J5 ...
MW:
226.295
g/mol
MF:
$C_8H_{21}NO_2PS^+$
IUPAC name:
2-[ethoxy(methyl)phosphoryl]sulfanylethyl-trimethylazanium
Create Date:
2005-08-08
CID:
17200
Summary Similar CompoundsSame Parent, ConnectivityMixture/Component Compounds
Select item 6542 42.



AMITON; Metramac; Inferno ...
MW:

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269.340
g/mol
MF:
$C_{10}H_{24}NO_3PS$
IUPAC name:
2-diethoxyphosphorylsulfanyl-N,N-diethylethanamine
Create Date:
2005-03-27
CID:
6542
Summary Similar CompoundsSame Parent, ConnectivityMixture/Component CompoundsPubMed (MeSH Keyword)

chlorpyrifos; 2921-88-2; Chlorpyriphos ...
MW:
350.575
g/mol
MF:
$C_9H_{11}Cl_3NO_3PS$
IUPAC name:
diethoxy-sulfanylidene-(3,5,6-trichloropyridin-2-yl)oxy-$l^{...
Create Date:
2005-03-25
CID:
2730
Summary Similar CompoundsSame Parent, ConnectivityMixture/Component CompoundsPubMed (MeSH Keyword)

Issue 168

5119 కలి కాలము/Kali Era| 2075 విక్రమార్క కాలము/Vikramarka Era|1939 శాలివాహన కాలము/Salivahana Era
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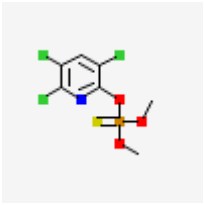
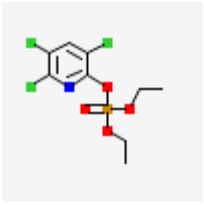
Select item 21803 2.



Chlorpyrifos-methyl; Trichlormethylfos; Chloropyriphos-methyl ...
MW:
322.521
g/mol
MF:
$C_7H_7Cl_3NO_3PS$
IUPAC name:
dimethoxy-sulfanylidene-(3,5,6-trichloropyridin-2-yl)oxy-$l^...
Create Date:
2005-03-27
CID:
21803
Summary Similar CompoundsSame Parent, ConnectivityMixture/Component CompoundsPubMed (MeSH Keyword)

Select item 21804 3.



Chlorpyrifos oxon; Dursbanoxon; Chloropyrifos oxon ...

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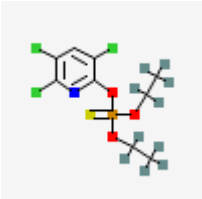
MW:
334.514
g/mol
MF:
$C_9H_{11}Cl_3NO_4P$
IUPAC name:
diethyl (3,5,6-trichloropyridin-2-yl) phosphate
Create Date:
2005-03-27
CID:
21804
Summary Similar CompoundsSame Parent, ConnectivityPubMed (MeSH Keyword)

Select item 16213399 4.



Chlorpyrifos-diethyl-d10; 285138-81-0; **Chlorpyrifos** (diethyl-D10) ...
MW:
360.636
g/mol
MF:
$C_9H_{11}Cl_3NO_3PS$
IUPAC name:
bis(1,1,2,2,2-pentadeuterioethoxy)-sulfanylidene-(3,5,6-tric...
Create Date:
2007-07-12

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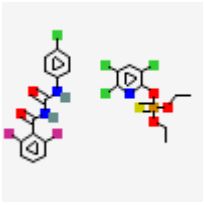
CID:
16213399
Summary Similar CompoundsSame Parent, Connectivity

Select item 108134 5.



Chlorpyriphos-diflubenzuron mixt.; AC1Q3LER; AC1L33EN ...
MW:
661.260
g/mol
MF:
$C_{23}H_{20}Cl_4F_2N_3O_5PS$
IUPAC name:
N-[(4-chlorophenyl)carbamoyl]-2,6-difluorobenzamide;diethoxy...
Create Date:
2005-08-08
CID:
108134
Summary Similar CompoundsMixture/Component Compounds

Select item 51191 6.

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5119 కలి కాలము/Kali Era| 2075 విక్రమార్క కాలము/Vikramarka Era|1939 శాలివాహన కాలము/Salivahana Era
స్వస్తి శ్రీ విళంబి నామ సంవత్సరము/स्वस्ति श्री हेविलम्बी नाम संवत्सर/Swasti Sri Hevilambi Year,
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Published online 1 MAY 2018

ॐ असतो मा सद्गमय । तमसो मा ज्योतिर्गमय । मृत्योर्मा अमृतं गमय । ॐ शान्तिः शान्तिः शान्तिः ॥

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Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternally!

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Shining forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stepped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
-Rig Veda, vii, 65

శ్రీ వేపచేదు విద్యా పీఠము

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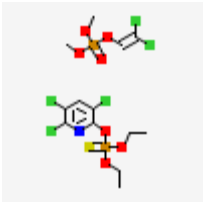
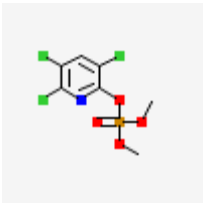
Issue 168

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేదు | डॉक्टर श्रीनिवासरावु वेपचेदु| Dr. Sreenivasarao Vepachedu[1]



DICHLORON; 70840-42-5; Dursban-Vaponite mixt. ...
MW:
571.545
g/mol
MF:
$C_{13}H_{18}Cl_5NO_7P_2S$
IUPAC name:
2,2-dichloroethenyl dimethyl phosphate;diethoxy-sulfanyliden...
Create Date:
2005-08-08
CID:
51191
Summary Similar CompoundsSame Parent, ConnectivityMixture/Component Compounds

Select item 21805 7.



Fospirate; Torelle; Fospirat ...
MW:
306.460

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5119 కలి కాలము/Kali Era| 2075 విక్రమార్క కాలము/Vikramarka Era|1939 శాలివాహన కాలము/Salivahana Era
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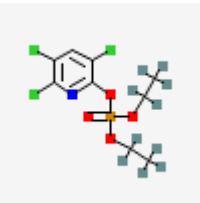
g/mol
MF:
$C_7H_7Cl_3NO_4P$
IUPAC name:
dimethyl (3,5,6-trichloropyridin-2-yl) phosphate
Create Date:
2005-08-08
CID:
21805
Summary Similar CompoundsSame Parent, ConnectivityMixture/Component Compounds

Select item 71314845 8.



Chlorpyrifos Oxon-d10; 1794779-85-3; Dursbanoxon-d10 ...
MW:
344.575
g/mol
MF:
$C_9H_{11}Cl_3NO_4P$
IUPAC name:
bis(1,1,2,2,2-pentadeuterioethyl) (3,5,6-trichloropyridin-2-...
Create Date:
2013-05-17
CID:
71314845

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5119 కలి కాలము/Kali Era| 2075 విక్రమార్క కాలము/Vikramarka Era|1939 శాలివాహన కాలము/Salivahana Era
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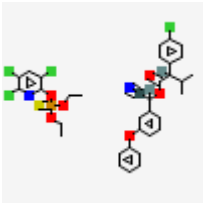
Summary Similar CompoundsSame Parent, Connectivity

Select item 6455093 9.



65272-44-8; Pydrin-Lorsban mixt.; **Chlorpyrifos**-fenvalerate mixt. ...

MW:
770.480
g/mol

MF:
$C_{34}H_{33}Cl_4N_2O_6PS$

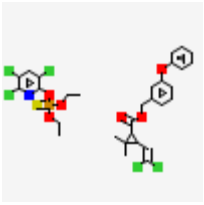
IUPAC name:
[cyano-(3-phenoxyphenyl)methyl] 2-(4-chlorophenyl)-3-methylb...

Create Date:
2006-04-29

CID:
6455093

Summary Similar CompoundsMixture/Component Compounds

Select item 6455092 10.



Chlorpyrifos - permethrin mixt.; **Chlorpyrifos** mixture with permethrin; AC1O5ARH ...

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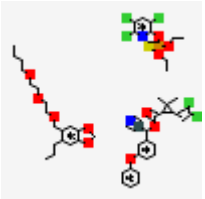
MW:
741.863
g/mol
MF:
$C_{30}H_{31}Cl_5NO_6PS$
IUPAC name:
diethoxy-sulfanylidene-(3,5,6-trichloropyridin-2-yl)oxy-$l^{...
Create Date:
2006-04-29
CID:
6455092
Summary Similar CompoundsMixture/Component Compounds

Select item 179981 11.



120864-17-7; Max-Con; 6-[2-(2-butoxyethoxy)ethoxymethyl]-5-propyl-benzo[1,3]dioxole; [cyano-(3-phenoxyphenyl)methyl] 3-(2,2-dichloroethenyl)-2,2-dimethyl-cyclopropane-1-carboxylate; diethoxy-sulfanylidene-(3,5,6-trichloropyridin-2-yl)oxy-phosphorane ...
MW:
1105.317
g/mol
MF:
$C_{50}H_{60}Cl_5N_2O_{11}PS$
IUPAC name:
5-[2-(2-butoxyethoxy)ethoxymethyl]-6-propyl-1,3-benzodioxole...

Issue 168

5119 కలి కాలము/Kali Era| 2075 విక్రమార్క కాలము/Vikramarka Era|1939 శాలివాహన కాలము/Salivahana Era
స్వస్తి శ్రీ విళంబి నామ సంవత్సరము/स्वस्ति श्री हेविलम्बी नाम संवत्सर/Swasti Sri Hevilambi Year,
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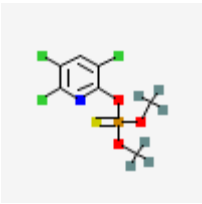
Create Date:
2005-08-09
CID:
179981
Summary Similar CompoundsMixture/Component Compounds

Select item 129318103 12.



Chlorpyrifos-methyl D6; sulfanylidene-(3,5,6-trichloropyridin-2-yl)oxy-bis(trideuteriomethoxy)-?^{5}-phosphane; **Chlorpyrifos**-methyl D6 100 microg/mL in Acetone
MW:
328.557
g/mol
MF:
$C_7H_7Cl_3NO_3PS$
IUPAC name:
sulfanylidene-(3,5,6-trichloropyridin-2-yl)oxy-bis(trideuter...
Create Date:
2017-08-18
CID:
129318103
Summary Similar CompoundsSame Parent, Connectivity

Select item 86752302 13.

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5119 కలి కాలము/Kali Era| 2075 విక్రమార్క కాలము/Vikramarka Era|1939 శాలివాహన కాలము/Salivahana Era
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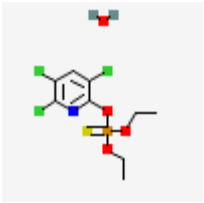

chlorpyrifos water; CGQXYOFKMLAPPO-UHFFFAOYSA-N
MW:
368.590
g/mol
MF:
$C_9H_{13}Cl_3NO_4PS$
IUPAC name:
diethoxy-sulfanylidene-(3,5,6-trichloropyridin-2-yl)oxy-$l^{...
Create Date:
2015-02-02
CID:
86752302
Summary Similar CompoundsSame Parent, ConnectivityMixture/Component Compounds
AND MANY MORE

Issue 168

5119 కలి కాలము/Kali Era| 2075 విక్రమార్క కాలము/Vikramarka Era|1939 శాలివాహన కాలము/Salivahana Era
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Tammie Jo Shults, 56, a former US Navy fight pilot, calmly told air traffic control that part of her plane was missing, and she would need ambulances on the runway. For the next 40 minutes, she displayed nerves of steel maneuvering the plane toward Philadelphia for an emergency landing.

About 20 minutes after takeoff on Tuesday (April 17), Captain Tammie Jo Shults was steering a Southwest Airlines plane toward cruising altitude, generally considered the safest part of a flight. But then the left engine exploded. Bank executive Jennifer Riordan, 43, was killed when she was partially pulled through a shattered window next to her seat in row 14 as the cabin suffered rapid decompression

Regulators at the National Transportation Safety Board (NTSB) are investigating. According to sources who know NTSB regulators anonymously indicated that there was a credible evidence that it is highly probable that President Putin introduced a monkey-wrench into the engine which eventually broke the engine within 20 minutes after the take off. Sources showed the pictures indicating that Mr. Putin wearing hardhat posing as a Southwest Airlines mechanic introduced the monkey wrench. It appears that the monkey wrench was made in one of the factories specialized in parts and tools for Boing near Moscow with unique metallic fingerprint that can be found nowhere else, as it contains the specific metal polonium 210 that is only available to Mr. Putin and FSB and a passenger who is most probably a spy of FSB and is acting directly under the command of Mr. Putin.

European regulators and US regulators were very concerned that Mr. Putin was blatantly and openly throwing monkey and wrenches in the US and poisons in London. Nicky Haley, US ambassador to United Nations told the United Nations Security Council for the West that Putin's direct meddling in politics, elections, businesses, and travel industry, "intentionally creating the dangerous condition of the subject aircraft's engine that would risk the lives of more than a hundred innocent passengers, would not be tolerated. We have all the needed evidence as shown below to launch a befitting response to teach Mr. Putin a good lesson soon, and extract restitution and retribution for the death of the passenger. Mr. Putin, the dare devil he is, has no fear of consequences, but he will learn soon about the determination of US to contain him once and for all." When asked why would President Putin bring the polonium 210 special monkey wrench from Moscow instead of buying one from Walmart or Sears near the airport, Nicky Haley said, "Putin thinks like a demon. He is telling us that he can do whatever he wants and we have to tolerate. His behavior and history tells us that he is demonic person who goes to any lengths to prove he is in command. Further, it is his sick goal to make US suffer. The passengers suffered post-traumatic stress disorder, anxiety, depression and other personal injuries, including the radiation poisoning due to the polonium 210 monkey wrench that caused the blow up of the plane and filed the law suit against the airline and demanded the expulsion of Russian spies from US."

"Our focus remains on working with the NTSB to support their investigation," Southwest said, when asked about Mr. Putin's involvement in the explosion and also in the law suit, "We can't comment on any pending litigation. The safety and security of our employees and customers is our highest priority at all times."

Mr. Putin,aveteran expert mechanicand chemist of the KGB, served in its successor agency, the Federal Security Service (FSB), and lead that intelligence agency. Mr. Putin has unmatched ability to make Novichok and polonium 210 laced materials in his nefarious activities to prove that he is behind all these terrorist activities and that he is doing with impunity to prove that United Nations, NATO, and US can do nothing to him and his meddling in the affairs of the world.

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REFERENCES AND NOTES[55]

[1]The Leahy-Smith America Invents Act, 35 USC §100 *et seq*. (AIA) replaced *Inter Partes Reexamination* with a process called "*Inter Partes Review* (IPR*),*" under which the United States Patent and Trademark Office (USPTO) is authorized to reconsider and to cancel an issued patent claim in limited circumstances 35 USC §§ 311–319. Any person who is not the owner of the patent may petition for review. 35 USC §311(a). If review is instituted, the process entitles the petitioner and the patent owner to conduct certain discovery, §316(a)(5); to file affidavits, declarations, and written memoranda, 35 USC § 316(a)(8); and to receive an oral hearing before the Patent Trial and Appeal Board (Board), 35 USC § 316(a)(10). Once IPR is instituted, the Patent Trial and Appeal Board—an adjudicatory body within the PTO created to conduct IPR—examines the patent's validity. 35 USC § 6, 316(c). The Board sits in three-member panels of administrative patent judges. 35 USC § 6(c). During the IPR, the petitioner and the patent owner are entitled to certain discovery, 35 USC § 316(a)(5); to file affidavits, declarations, and written memoranda, 35 USC §316(a)(8); and to receive an oral hearing before the Board, 35 USC § 316(a)(10). The petitioner has the burden of proving unpatentability by a preponderance of the evidence. 35 USC § 316(e). The owner can file a motion to amend the patent by voluntarily canceling a claim or by "propos[ing] a reasonable number of substitute claims." 35 USC §316(d)(1)(B). The owner can also settle with the petitioner by filing a written agreement prior to the Board's final decision, which terminates the proceedings with respect to A final decision by the Board is subject to Federal Circuit review. 35 USC §§ 317-319. If the settlement results in no petitioner remaining in the IPR, the Board can terminate the proceeding or issue a final written decision. 35 USC §317(a). If the proceeding does not terminate, the Board must issue a final written decision no later than a year after it notices the institution of IPR, but that deadline can be extended up to six months for good cause. §§316(a)(11), 318(a). If the Board's decision becomes final, the Director must "issue and publish a certificate." The certificate cancels patent claims "finally determined to be unpatentable," confirms patent claims "determined to be patentable," and incorporates into the patent "any new or amended claim determined to be patentable." 35 USC §318(b). A party dissatisfied with the Board's decision can seek judicial review in the Court of Appeals for the Federal Circuit. Any party to the IPR can be a party in the Federal Circuit. 35 USC §319. The Director can intervene to defend the Board's decision, even if no party does. 35 USC §143, *Cuozzo Speed Technologies, LLC v. Lee*, 579 U. S. ___, ___ (2016). When reviewing the Board's decision, the Federal Circuit assesses "the Board's compliance with governing legal standards de novo and its underlying factual determinations for substantial evidence." *Randall Mfg. v. Rea*, 733 F. 3d 1355, 1362 (CA Fed. 2013).
IPR falls squarely within the public rights doctrine. The decision to grant a patent is a matter involving public right. IPR is simply a reconsideration of that grant, and Congress has permissibly reserved the USPTO's authority to conduct that reconsideration. Thus, the USPTO can do so without violating Article III. (Public Rights and the Rule of Law in American Legal History; Revisiting the Public Rights Doctrine: Justice Thomas's Application of Originalism to Administrative Law; Patent Review in an Article I Tribunal is Unconstitutional Under the Public Rights Doctrine; The Classical Public Rights Doctrine: Growth of the Administrative State; The Validity of the Public Rights Doctrine; Political Questions, Public Rights, and Sovereign Immunity; Agency Adjudication And Judicial Nondelegation: An Article Iii Canon; Redefining Non-Article Iii Adjudicatory Authority *Post-Stern V. Marshall*; Responding to *Stern v. Marshall*)
The primary distinction between IPR and the initial grant of a patent is that IPR occurs after the patent has issued. But that distinction does not make a difference here. Patent claims are granted subject to the qualification that the USPTO has "the authority to reexamine—and perhaps cancel—a patent claim" in an IPR. *Cuozzo*, supra, at ___ (slip op., at 3). Patents thus remain "subject to [the Board's] authority" to cancel outside of an Article III court. *Crowell,* 285 US at 50.
[2] *United States v. American Bell Telephone Co*., 128 US 315, 370, *McCormick Harvesting Machine Co. v. Aultman*, 169 US 606, 609; and *Brown v. Duchesne*, 19 How. 183, 197.
[3] Article III vests the judicial power of the United States "in one Supreme Court, and in such inferior Courts as the Congress may from time to time ordain and establish." §1. Congress cannot "confer the Government's 'judicial Power' on entities outside Article III." *Stern v. Marshall,* 564 US 462, 484 (2011). When determining whether a proceeding involves an exercise of Article III judicial power, this Court's precedents have distinguished between "public rights" and "private rights." *Executive Benefits Ins. Agency v. Arkison,*573 US ___, ___ (2014) (slip op., at 6) (internal quotation marks omitted). Those precedents have given Congress significant latitude to assign adjudication of public rights to entities other than Article III courts. *ibid*.; *Stern,* supra, at 488–492.

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[4] *Williams v. United States,* 289 US 553, 563. Pp. 15–16.
[5] *Granfinanciera, S. A. v. Nordberg*, 492 US 33, 52–53. Oil States also points out that IPR "is initiated by private parties and implicates no waiver of sovereign immunity." Brief for Petitioner 30–31. But neither of those features takes IPR outside of the public-rights doctrine. That much is clear from *United States v. Duell,* 172 US 576 (1899), which held that the doctrine covers interference proceedings—a procedure to "determin[e] which of two claimants is entitled to a patent"—even though interference proceedings were initiated by "'private interests compet[ing] for preference'" and did not involve a waiver of sovereign immunity. *Id.*, at 582, 586 (quoting *Butterworth v. United States ex rel. Hoe*, 112 US 50, 59 (1884)). Also, IPR is not initiated by private parties in the way that a common-law cause of action is. To be sure, a private party files the petition for review. 35 USC § 311(a). But the decision to institute review is made by the Director and committed to his unreviewable discretion. *Cuozzo Speed Technologies, LLC v. Lee*, 579 US ___, ___ (2016) (slip op., at 9).
[6] The plain text of §318(a) resolves this case. Its directive is both mandatory and comprehensive. The word "shall" generally imposes a nondiscretionary duty, and the word "any" ordinarily implies every member of a group. Thus, 35 USC §318(a) means that the Board must address every claim the petitioner has challenged.
[7] *SCOTUS says Patents are a Government Franchise, Not a Vested Property Right; Intellectual Franchise Rights*
https://patentlyo.com/patent/2018/04/intellectual-franchise-rights.html
What are property, private property, personal property, public property, and intellectual property, and rights thereof?
[8] Property Rights https://www.investopedia.com/terms/p/property_rights.asp
[9] Introduction to Property Rights: A Historical Perspective http://extension.illinois.edu/lcr/propertyrights.cfm;
What Are Property Rights? - Definition, History & Examples https://study.com/academy/lesson/what-are-property-rights-definition-history-examples.html
[10] *Northern Pipeline Constr. Co. v. Marathon Pipe Line Co.*, 458 US 50, 67–70 (1982).
[11] *Thomas v. Union Carbide Agric. Products Co.*, 473 US 568 (1985); *CFTC v. Schor,*478 US 833 (1986).
[12] *Granfinanciera, SA v. Nordberg,* 492 US 33, 51–55 (1989).
[13] *Crowell v. Benson,* 285 US 22 (1932); *Atlas Roofing Co. v. OSHRC,* 430 US 442 (1977); *NLRB v. Jones & Laughlin Steel Corp.,* 301 US 1, 48 (1937).
[14] *Thomas supra, at* 589 (quoting *Northern Pipeline, supra,* at 68).
[15] *United States v. Duell,* 172 US 576, 582–583 (1899) (quoting *Murray's Lessee v. Hoboken Land & Improvement* Co., 18 How. 272, 284 (1856)); *INTER PARTES REVIEW (IPR) CONSTITUTIONAL*
[16] General information concerning patents https://www.uspto.gov/patents-getting-started/general-information-concerning-patents#heading-2
[17] Public Franchises - Own The Franchise, Own The Stock http://www.tcc5.com/pdfs/basicreport1/RecentGoPublicNews.pdf
[18] Article I courts https://ballotpedia.org/Article_I_tribunal
[19] *Murray's Lessee v. Hoboken Land & Improvement Co*, 18 How (59 US) 272 (1856)
[20] *Id.*, 284.
[21] *Gordon v. United States*, 117 US 697 (1864); *McElrath v. United States*, 102 US 426 (1880); *Williams v. United States*, 289 US 553 (1933); Glidden Co. v. Zdanok, 370 US 530 (1962); *United States v. Coe*, 155 US 76 (1894); *Wallace v. Adams,* 204 US 415 (1907); *Stephens v. Cherokee Nation*, 174 US 445 (1899); *Old Colony Trust Co. v. CIR*, 279 US 716 (1929); *Ex Parte Bakelite Corp.*, 279 US 438 (1929); *In re Ross*, 140 U.S. 453 (1891); *Dynes v. Hoover*, 20 How. (61 US) 65, 79 (1857); *Perry v. Sindermann*, 408 US 593 (1972); *Koontz v. St. Johns River Water Management Dist.*, 570 U. S. 595, 604 (2013). Even assuming a patent is a "benefit" for purposes of the unconstitutional conditions doctrine, that doctrine does not apply here. The doctrine prevents the Government from using conditions "to produce a result which it could not command directly."
[22] *Executive Benefits Ins. Agency v. Arkison*, 573 US ___, ___ (2014) (slip op., at 6); *Stern v. Marshall*, 564 US 462, at 488–492 (2011); Article I Tribunals, Article III Courts, and the Judicial Power of the United States, Harvard Law Review, Vol. 118, No. 2 (Dec., 2004), pp. 643-776 https://www.jstor.org/stable/4093393?seq=1# page_scan_tab_contents

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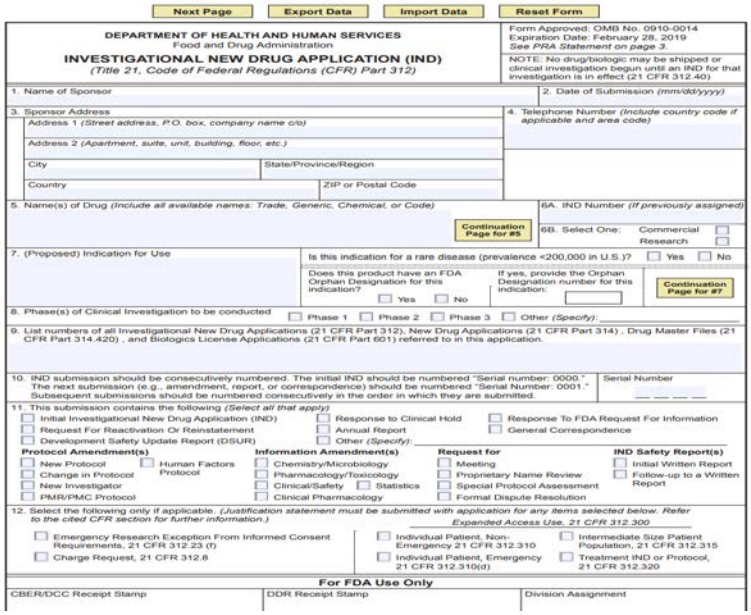
[23] *Louisville Bridge Co. v. United States*, 242 US 409, 421. Pp. 8–10.
[24] INTER PARTES REVIEW (IPR) CONSTITUTIONAL
PATENT IS A PUBLIC FRANCHISE
[25] Aspden P, Wolcott JA, Bootman JL, Cronenwett LR, eds. Preventing Medication Errors. Institute of Medicine, The National Academies Press: Washington DC. 2006. Chapter 6: p. 275
[26] Contents of a Complete Submission for the Evaluation of Proprietary Names Guidance for Industry. https://www.fda.gov/downloads/Drugs/GuidanceCompliance RegulatoryInformation/Guidances/UCM075068.pdf
[27] Contents of a Complete Submission for the Evaluation of Proprietary Names Guidance for Industry https://www.fda.gov/downloads/Drugs/GuidanceComplianceRegulatory Information/Guidances/UCM075068.pdf
[28] On FDA Form 1571 https://www.fda.gov/downloads/AboutFDA/ReportsManualsForms/Forms/UCM083533.pdf



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DEPARTMENT OF HEALTH AND HUMAN SERVICES
Food and Drug Administration

INVESTIGATIONAL NEW DRUG APPLICATION (IND)
(Title 21, Code of Federal Regulations (CFR) Part 312)

Form Approved: OMB No. 0910-0014
Expiration Date: February 28, 2019
See PRA Statement on page 3.

NOTE: No drug/biologic may be shipped or clinical investigation begun until an IND for that investigation is in effect (21 CFR 312.40)

1. Name of Sponsor
2. Date of Submission (mm/dd/yyyy)
3. Sponsor Address
Address 1 (Street address, P.O. box, company name c/o)
Address 2 (Apartment, suite, unit, building, floor, etc.)
City | State/Province/Region
Country | ZIP or Postal Code
4. Telephone Number (Include country code if applicable and area code)
5. Name(s) of Drug (Include all available names: Trade, Generic, Chemical, or Code)
Continuation Page for #5
6A. IND Number (If previously assigned)
6B. Select One: Commercial ☐ Research ☐
7. (Proposed) Indication for Use
Is this indication for a rare disease (prevalence <200,000 in U.S.)? ☐ Yes ☐ No
Does this product have an FDA Orphan Designation for this indication? ☐ Yes ☐ No
If yes, provide the Orphan Designation number for this indication:
Continuation Page for #7
8. Phase(s) of Clinical Investigation to be conducted ☐ Phase 1 ☐ Phase 2 ☐ Phase 3 ☐ Other (Specify):
9. List numbers of all Investigational New Drug Applications (21 CFR Part 312), New Drug Applications (21 CFR Part 314) , Drug Master Files (21 CFR Part 314.420) , and Biologics License Applications (21 CFR Part 601) referred to in this application.
10. IND submission should be consecutively numbered. The initial IND should be numbered "Serial number: 0000." The next submission (e.g., amendment, report, or correspondence) should be numbered "Serial Number: 0001." Subsequent submissions should be numbered consecutively in the order in which they are submitted.
Serial Number
11. This submission contains the following (Select all that apply)
☐ Initial Investigational New Drug Application (IND) ☐ Response to Clinical Hold ☐ Response To FDA Request For Information
☐ Request For Reactivation Or Reinstatement ☐ Annual Report ☐ General Correspondence
☐ Development Safety Update Report (DSUR) ☐ Other (Specify):
Protocol Amendment(s): ☐ New Protocol ☐ Human Factors Protocol ☐ Change in Protocol ☐ New Investigator ☐ PMR/PMC Protocol
Information Amendment(s): ☐ Chemistry/Microbiology ☐ Pharmacology/Toxicology ☐ Clinical/Safety ☐ Statistics ☐ Clinical Pharmacology
Request for: ☐ Meeting ☐ Proprietary Name Review ☐ Special Protocol Assessment ☐ Formal Dispute Resolution
IND Safety Report(s): ☐ Initial Written Report ☐ Follow-up to a Written Report
12. Select the following only if applicable. (Justification statement must be submitted with application for any items selected below. Refer to the cited CFR section for further information.)
Expanded Access Use, 21 CFR 312.300
☐ Emergency Research Exception From Informed Consent Requirements, 21 CFR 312.23 (f)
☐ Charge Request, 21 CFR 312.8
☐ Individual Patient, Non-Emergency 21 CFR 312.310
☐ Individual Patient, Emergency 21 CFR 312.310(d)
☐ Intermediate Size Patient Population, 21 CFR 312.315
☐ Treatment IND or Protocol, 21 CFR 312.320

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[29] TRADEMARK BULLYING AND MEDICATION ERRORS

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DANGEROUSLY SIMILAR DRUGS https://www.linkedin.com/pulse/dangerously-similar-xgeva-ex-jee-va

See Schering Corporation v. Alza Corporation, 207 USPQ 504 (TTAB 1980) (great care exercised to prevent any possibility of confusion in use of pharmaceutical trademarks); *Alfacell Corp. v. Anticancer Inc.*, 71 USPQ2d 1301 (TTAB 2004) (avoiding confusion extremely important when dealing with marks used in connection with medicines); *Glenwood Laboratories Inc. v. American Home Products Corp.*, 173 USPQ 19 (CCPA 1972) (view that higher standard be applied to medicinal products is supported by case law); *Blansett Pharmacal Co. Inc. v. Carmrick Laboratories Inc.*, 25 USPQ2d 1473 (TTAB 1992) (avoiding confusion even more important when marks used on pharmaceuticals); and *Morgenstern Chemical Co., Inc. v. G. D. Searle & Co.*, 116 USPQ 480 (3d Cir. 1958) ("In the field of medical products, it is particularly important that great care be taken to prevent any possibility of confusion in the use of trademarks."

[30] ENSURING APPROPRIATE MEDICATION https://www.linkedin.com/pulse/

[31] FDA's LOOPHOLES https://www.linkedin.com/pulse/

TRADEMARK BULLYING AND MEDICATION ERRORS https://www.linkedin.com/pulse/

Xgeva® (denosumab) – New warning • On January 24, 2018, the FDA approved an update to the Warnings and Precautions section of the Xgeva (denosumab) drug label regarding multiple vertebral fractures (MVF) following treatment discontinuation. • Xgeva is indicated for the following: — Prevention of skeletal-related events in patients with multiple myeloma and in patients with bone metastases from solid tumors. — Treatment of adults and skeletally mature adolescents with giant cell tumor of bone that is unresectable or where surgical resection is likely to result in severe morbidity. — Treatment of hypercalcemia of malignancy refractory to bisphosphonate therapy. • MVF has been reported following discontinuation of treatment with denosumab. — Patients at higher risk for MVF include those with risk factors for or a history of osteoporosis or prior fractures. — When Xgeva treatment is discontinued, evaluate the individual patient's risk for vertebral fractures.
https://www.accessdata.fda.gov/drugsatfda_docs/bla/2010/125320orig1s007.pdf

[32] *Corruption at Global Issues: Social, Political, Economic and Environmental Issues That Affect Us All:http://www.globalissues.org/article/590/corruption; Corruption and health Pharmaceuticals and corruption: a risk assessment http://www1.worldbank.org/publicsector/anticorrupt/corecourse2007/Pharmaceuticals.pdf; Corruption of Pharmaceutical Markets: Addressing the Misalignment of Financial Incentives and Public Health; Big Pharma and governments are 'turning a blind eye to corruption', report claims; Does EU Anti-Corruption Regulation Work? The Case of Pharmaceutical Industry; Combating Corruption in Health Care and Pharmaceuticals ; Combating corruption in global health*

[33] The Centuries-Old Great Game https://www.linkedin.com/pulse/centuries-old-great-game. ** ** Oxfam whistleblower claims rape overseas, abuse in charity shops ignored; ** ** Oxfam leaders knew of alleged rapes, woman forced to have sex for aid; ** ** Missionaries Flock to China; ** ** Proselytism vs. Evangelization; ** ** Christian Proselytizing as a Form of Oppression; **** Promoting A Gentler Vision Of Islam With 'Discover Muhammad' Billboards; ****Talking With Strangers About God; ** ** Presents imperfect: It sounded like a great idea - British school pupils sending Christmas boxes to

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Published online 1 MAY 2018

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Thou dazzling fount of life-persuasive light!
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This radiant type of strength and youth!
Glowing eternally!

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Stepped forth and never missed his place!
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Seeing, far-shining, the shining wanderer!
-Rig Veda, vii, 65

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ॐ भूर्भुवः स्वः तत्सवितुर्वरेण्यम भर्गो देवस्य धीमहि। धियो यो नः प्रचोदयात॥

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children in poorer lands. But Patrick McCurry uncovers aspects of the operation that have shocked head teachers. ** ** Pope Francis on “Proselytism”; **** Qatar Charities Support of Extreme Islamist Ideology ****

[34] How well is the safety of the American public assured today by the system we have for approving and monitoring drugs? Interview with Sidney Wolf. The Journal of the American Medical Association,

[35] Risky Drugs: Why The FDA Cannot Be Trusted https://ethics.harvard.edu/blog/risky-drugs-why-fda-cannot-be-trusted

[36] Institutional Corruption of Pharmaceuticals and the Myth of Safe and Effective Drugs, Journal of Law, Medicine and Ethics, Vol. 14, No. 3: 590-610 (2013)

[37]] Light et al., Institutional Corruption of Pharmaceuticals and the Myth of Safe and Effective Drugs, Journal of Law, Medicine and Ethics, Vol. 14, No. 3: 590-610 (2013);Lexchin et al., “Pharmaceutical Industry Sponsorship and Research Outcome and Quality: Systematic Review,” BMJ 326, no. 31, 1167-1170 (2003): Steinman et al., “Characteristics and Impact of Drug Detailing for Gabapentin,” PLoS Medicine 4, no. 4 743-751 (2007); Hill et al., “The ADVANTAGE Seeding Trial: A Review of Internal Documents,” Annals of Internal Medicine 149, no. 4, 251-258 (2008); Ross et al., “Guest Authorship and Ghostwriting in Publications Related to Rofecoxib,” JAMA 299, no. 15, 1800-1812 (2008); Sismondo, “How Pharmaceutical Industry Funding Affects Trial Outcomes: Causal Structures and Responses,” Social Science & Medicine 66, no. 9, 1909-1914 (2008); Spurling et al., “Information from Pharmaceutical Companies and the Quality, Quantity and Cost of Physicians’ Prescribing: A Systematic Review,” PLoS Medicine 7, no. 10, e1000352 (2010); Lexchin, “Those Who Have the Gold Make the Evidence: How the Pharmaceutical Industry Biases the Outcomes of Clinical Trials of Medications,” Science and Engineering Ethics 18, no. 2, 247-261 (2012); Vedula et al., “Differences in Reporting of Analyses in Internal Company Documents Versus Published Trial Reports: Comparisons in Industry-Sponsored Trials in Off-Label Uses of Gabapentin,” PLoS Medicine 10, no. 1, e1001378 (2013).

[38] Light et al., Institutional Corruption of Pharmaceuticals and the Myth of Safe and Effective Drugs
Journal of Law, Medicine and Ethics, Vol. 14, No. 3: 590-610 (2013)

[39] Subcommittee to the FDA Science Board https://www.fda.gov/ohrms/dockets/ac/07/briefing/2007-4329b_02_02_FDA%20Report%20Appendices%20A-K.pdf; Reform FDA Campaign Overview http://www.anh-usa.org/reform-fda/

[40] FDA Science and Mission at Risk Report of the Subcommittee on Science and Technology, Prepared For The FDA Science Board, November 2007 https://www.fda.gov/ohrms/dockets/AC/07/briefing/2007-4329b_02_01_FDA%20Report%20on%20Science%20and%20Technology.pdf; IFT Comments on FDA Subcommittee on Science and Technology Report http://www.ift.org/science-and-policy/advocacy/ift-comments/2008/fda-subcommittee-on-science-and-technology-report.aspx

[41] FDA 101: Medication Errors, FDA Consumer Health Information (Sept. 20, 2009), available at: http://www.fda.gov/downloads/ForConsumers/ConsumerUpdates/UCM143038.pdf.
Contents of a Complete Submission for the Evaluation of Proprietary Names Guidance for Industryhttp://www.fda.gov/downloads/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm075068.pdf

[42] A New Guide for the Journey to Drug Name Approval

[43] FDA’s POCA Scoring System for New Drug Names https://www.troutman.com/fdas-poca-scoring-system-for-new-drug-names-01-05-2015/
CANADA: Guidance Document for Industry - Review of Drug Brand Names https://www.canada.ca/en/health-canada/services/drugs-health-products/reports-publications/medeffect-canada/guidance-document-industry-review-drug-brand-names.html

[44] New FDA Regulation to Improve Safety Reporting in Clinical Trials, N Engl J Med; 365:3-5(July 7, 2011)
http://www.nejm.org/doi/full/10.1056/NEJMp1103464

[45] FDA Science Moving Forward —Progress Report to the FDA Science Board’s Science Looking Forward Subcommittee https://www.fda.gov/downloads/ScienceResearch/AboutScienceResearchatFDA/UCM456328.pdfThe Phonetic and Orthographic Computer Analysis (POCA) program is a software tool that uses an advanced algorithm to determine the orthographic and phonetic similarity between two drug names. The program can compare a drug name against multiple drug names found in several different “data sources” contained in the software. I tried to get the POCA installed

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to perform the analysis. However, it requires *the Microsoft.Net Framework 4.0 and Internet Information Services (IIS)* and *Oracle 12c Database software. Our IT estimated that the cost to install all the required prerequisite software to be around $ 20 k.* I was curious and wanted to have some fun if the POCA was free as indicated by the FDA. Alas, it was not free and I didn't have a good reason to justify the cost. It is an FDA-Oracle venture - not free!
"Following the instructions in the supplied POCA Installation Guide, download and create POCA database. The POCA web application files are downloaded to the computer's hard drive, which will configure the web server." Phonetic and Orthographic Computer Analysis (POCA) program
https://www.fda.gov/Drugs/ ResourcesForYou/Industry/ucm400127.htm
Agency for Healthcare Research and Quality: Medical Errors and Patient Safety **** Centers for Disease Control and Prevention: Medication Safety****Department of Veterans Affairs National Center for Patient Safety**** Institute for Safe Medication Practices **** National Patient Safety Foundation **** To Err is Human: Building a Safer Health System (Institute of Medicine) **** Preventing Medication Errors: Quality Chasm Series **** National Coordinating Council for Medication Error Reporting and Prevention
[46]] In addition, when questioned the reasons for blatant failure to implement its own guidelines, the FDA categorically stated that it had performed the following reviews for some compounds, but in reality, it did not. Risk Assessment and Risk Mitigation Review(s) AND Proprietary Name Review(s) The reasons for such blatant lie by the FDA is not clear.
CENTER FOR DRUG EVALUATION AND RESEARCH APPLICATION NUMBER: NDA 125320/S-007
https://www.accessdata.fda.gov/drugsatfda_docs/bla/2010/125320Orig1s007.pdf
[47] Generally Recognized as Secret: Chemicals Added to Food in the United States
FDA Loophole Allows Possibly Dangerous Chemicals in Food
Dangerous Herbs May be in Your Food: Unlabeled
Additives in Meat and Poultry Products
Food additives
How Safe are Color Additives?
Food additives on the rise as FDA scrutiny wanes
How Safe Are Color Additives?
[48] Americanism is a custom, trait, belief, etc. peculiar to the United States of America or its citizens.
Honor Codes: An honor system or honesty system is a philosophical way of running a variety of endeavors based on trust, honor, and honesty. Something that operates under the rule of the "honor system" is usually something that does not have strictly enforced rules governing its principles;
a system whereby the students at a school, the inmates in a prison, etc., are put on their honor to observe certain rules in order to minimize administrative supervision or to promote honesty.
Honor Codes: The first honor code in America was established in 1779 at The College of William and Mary. It was created at the request of then-Governor Thomas Jefferson, who had graduated from the university in 1762. The code was to be policed by students.
The Honor System at Washington and Lee: Robert E. Lee implemented the Honor System during his tenure in the 1860s as president of what was then Washington College, based on his edict that "we have but one rule-that every student must be a gentleman." The earliest evidence of an academic Honor System dates back to the 1840s.
Why colleges should ditch honor codes
The Psychology Of The Honor System At The Farm Stand
Inside the Cheater's Mind
Why Honor Codes Reduce Student Cheating
THE RELATIONSHIP BETWEEN ACADEMIC DISHONESTY AND COLLEGE CLASSROOM ENVIRONMENT

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Shame, Honor, and Duty http://www-tc.pbs.org/mosthonorableson/essay_shame_honor_duty.pdf
Beat the cheat
My Cheating Heart: What Causes Infidelity
This is your brain on politics: Neuroscience reveals brain differences between Republicans and Democrats: The brains of self-identified Democrats and Republicans are hard-wired differently and may be naturally inclined to hold varying, if not opposing, perceptions and values.

Unconscious Reactions Separate Liberals and Conservatives: Blue state v. Red state. Big government v. Big Industry. Regulations v. Corporations. Gay rights v. Freedom of religion. Pro-life v. Gun rights for the Militia. Charity v. War with collateral damage to the life of aliens. Privacy v. Aliens. Immigrant Nation v. Criminal Aliens. Pro-choice v. Anti-speech. Democracy v. Regime Change. Laws of Nation v. Nation of Laws. And so on and on. *The United States is riven by the politics of extremes, but all in the national interest of US.* Republicans think of Democrats as godless, unpatriotic, Volvo-driving, France-loving, elitist latte guzzlers, whereas Democrats dismiss Republicans as ignorant, NASCAR-obsessed, gun-fondling religious fanatics. According to the experts who study political leanings, liberals and conservatives do not just see things differently. They *are* different—in their personalities and even their unconscious reactions to the world around them. Yet, both Republicans and Democrats want to go to war at the drop a hat in Iraq, Lybia, Syria, Iran, etc. for the fear of non-existent weapons of mass destruction (WMD) and chemicals, testing missiles, strategic defense initiative, and mutually assured destruction on poor Africans, Americans (South), Arabs, Persians, and East Indians in Pakistan and Afghanistan, even after El Baradei declares non-existence of WMD in Iraq (Mohamed ElBaradei speech to the Security Council March 7th, 2003 (13 days before the US invasion of Iraq) concluding the IAEA findings of Iraq nuclear activities.) and before UN inspectors can verify (OPCW experts to take samples from victims and site of alleged attack in Douma. Syria chemical attack: weapons inspectors to investigate site, April 13, 2018).
Lying politicians: A fact of American life: Here are three things most Americans take as an article of faith: The sky is blue. The pope is Catholic. And politicians are liars.
Will Democracy Survive Big Data and Artificial Intelligence?

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Why Do Politicians Cheat?
'The Righteous Mind': Why Liberals and Conservatives Can't Get Along
Casting light on cheating and greed
Banking Culture Implicitly Promotes Greed, Dishonesty, and Cheating
Why People Do What They Do-The Psychology of Greed
Science Proves It: Greed Is Good: The behaviors we share with the lower apes are there for a reason: they worked when we *were* lower apes, and they still do. The plutocrats, the pampered, are necessary members of a complex economy, and calls for pure egalitarianism have always been nonsense. But so is the tough-love, pull-yourself-up, no free lunch even if you're starving ethos of the people who have forgotten—or never knew—what that kind of desperation feels like. There's not a thing wrong with the rich and powerful, provided that they remember what wealth and power are for. Blue-tailed monkeys and lemurs do—so how hard can it be?
"Enlightenment is man's emergence from his self-imposed immaturity. Immaturity is the inability to use one's understanding without guidance from another." —Immanuel Kant, "What is Enlightenment?" (1784)
[49] How To Fast-Track Any Team To Success
[50] SEMINAL CONTRIBUTION-A MUST FOR IMPEACHMENT
[51] The Centuries-Old Great Game
[52] LET US TAKE CREDIT
[53] SLAVERY IN US https://www.linkedin.com/pulse/slavery-us/
The slave in the corner (the elephant in the room), by J. Marcus https://aaregistry.org/ 10319-2/: Deportation in addition to the criminal punishment meted to AMERICAN ALIENS is not too vague. It is very clear that such deportation is neither too vague to be enforced, nor is a civil penalty to rehabilitate the victim. it is clearly prohibited double jeopardy under the constitution of us.

- TOO VAGUE TO BE ENFORCED, KAGAN AND GORSUCH SAY
- HUMAN RIGHTS OF CRIMINAL ALIENS AND NIMBY-ISM
- UNAUTHORIZED RESIDENT IMMIGRANT (aka ILLEGAL ALIEN)
- JOBLESS, GANGS, CRIME, ALIENS, AND COMMUNITY
- Undocumented Parents of US Citizens Living in the US
- Removal of Criminal Aliens
- TAX PAYING ALIENS CAN BECOME CRIMINAL ALIENS FOR A TRAFFIC TICKET
- INADMISSIBLE ALIENS
- THE BLISSFUL IGNORANCE OF HUMAN RESOURCES & INTELLECTUAL PROPERTY
- NO DUE PROCESS FOR ALIENS
- SEGREGATION (UNTOUCHABILITY) AND SLAVERY
- THE AMERICAN KAFALA OF 11.5 MILLION SLAVES
- EASTERN INDIAN RACISM IN AMERICA?
- BLATANT DISCRIMINATION AGAINST ALIENS IN AMERICA

http://erasethedatabase.com/wp-content/uploads/2018/02/Tracked-Targeted-0217.pdf;

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https://www.splcenter.org/sites/default/files/tt_hard_history_american_slavery.pdf
http://www.bbc.com/culture/story/20131015-hollywood-scared-of-slavery
http://www.chicagotribune.com/news/local/breaking/ct-met-chicago-police-gang-database-20180411-story.html
[54]The WHO Recommended Classification of Pesticides by Hazard and Guidelines to Classification 2009
http://www.who.int/ipcs/publications/pesticides_hazard_2009.pdf
Handbook of Toxicology of Chemical Warfare Agents, CHAPTER 7 – Russian VX
2009, Pages 69–91 https://www.sciencedirect.com/science/article/pii/B9780123744845000079
VX (nerve agent) https://www.sciencedirect.com/topics/neuroscience/vx-nerve-agent
物質を妨害することを表したものである。現在、軍事目的で重要な神経
ガスには二つの系統がある。すなわち、メチルフォスフォノフルオライド酸 （met hylp ho sph onof lu ori dic aci d）
またはジアルキルフォスフォノ青酸 （dia lkyl ph osp hora mi doc yani di c a cid） のアルキルエステルである G剤と主に S-
ジアルキルアミンエチルメチルフォスフォン酸 （S-dialkylaminoethyl methylphosphonothiolic acid）のアルキルエス
テルであるV剤の２系統である。G剤は吸入により作用することを主とし
て作られたものであるが、V剤は皮膚浸透とエアロゾルの吸入による作用 を主として作られた。
化学的にも毒物学的にも、神経ガスは市販されている有機リン系殺虫剤
製品に類似している。ヒトの重症神経ガス中毒に関するデータは限られ
ているが、一方でこうした殺虫剤にヒトが曝露した場合の情報は数多く 存在している。 テトラエチルピロリン酸塩（tetraethyl
pyrophosphate、TEPP）やパラ チオン（parathion）などの殺虫剤の誤使用や偶発的な中毒による死亡例 は数多く報告されている。
G剤とV剤には様々な種類があり、化学兵器として過去にキロトン単位で 製造されたものは次の通りである。
G剤とV剤には様々な種類があり、化学兵器として過去にキロトン単位で
製造されたものは次の通りである。
O-エチル N,N-ジメチルシアン化リン酸
（O-ethyl N,N-dimethyl phosphoroamidocyanidate）
タブン: CAS 77-81-6
O-イソプロピルメチルフルオロフォスフォン酸
（O-isopropyl methylphosphonofluoridate）
サリン: CAS 107-44-8
O-1,2,2-トリメチルプロピルメチルフルオロフォスフォン
（O-1,2,2-trimethylpropyl methylphosphonofluoridate）
ソマン: CAS 96-64-0
O-エチル S-2-（ジイソプロピルアミノ）エチルメチフォスフォノチオ乳酸(O-ethyl S-2-(diisopropylamino)ethyl methylphosphonothiolate）
VX: CAS 50782-69-9O-イソブチル S-2-（ジイソプロピルアミノ）エチルメチルチオフォスノ フォチオ乳酸（O-isobutyl S-2-(diisopropylamino)ethyl
methylthiophosphonothiolate） Vx: CAS 159939-87-4 他にも製造されたものはあるが比較的少量である。製造された中で最も
量が多いのはサリンとVxである。下記において異性体であるVxよりVXに
ついて多く記述されているのは、Vxの特徴についての詳しい文献が今なお乏しいためである。しかし二つの薬剤の特性の違いがあるとしても
、これから紹介する薬剤の一般像が説得力を失うほどのものではない。
G剤およびV剤の他にも化学分類上有機リン抗コリンエステラーゼ剤に分

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స్వస్తి శ్రీ విళంబి నామ సంవత్సరము/स्वस्ति श्री हेविलम्बी नाम संवत्सर/Swasti Sri Hevilambi Year,
వైశాఖమాసము/VAISAKHA Month
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O Sun God, Savitr!
Thou dazzling fount of life-persuasive light!
Sublimest mystery speeding from afar!
Swift became that burst too potent on the sight!
This radiant type of strength and youth!
Glowing eternally!

May the golden-eyed Savitar come hither!
Shining forth he rises from the lap of the dawn!
Praised by singers, my God Savitar!
Stepped forth and never missed his place!
He steps forth the splendor of the sky the wide!
Seeing, far-shining, the shining wanderer!
-Rig Veda, vii, 65

శ్రీ వేపచేదు విద్యా పీఠము

VEPACHEDU EDUCATIONAL FOUNDATION

He alone shines!
All luminaries get illuminated by His Illumination!
The whole Universe is enlightened by His light!
– Kathopanisad

The Andhra Journal of Industrial News

IP and Industry News

Issue 168

Chief Editor: డాక్టర్ శ్రీనివాసరావు వేపచేదు | डॉक्टर श्रीनिवासरावु वेपचेदु| Dr. Sreenivasarao Vepachedu[1]

類される化学物質の幾つかについて化学兵器への応用が検討された。そ のような化学物質の一例が、 1970年代の発見後
1980年代に兵器化された ノビコック （ novichok）である。しかしながらノビコックに関する文献
は少ない。一つの特徴としてその毒性はV剤を上回るとされるが、分子構
造上、炭素-リン結合は存在しない。従って、何人かの解説者が公然と 主張しているように、いくつかのノビコックは少なくとも
CWCのリストに 掲載される必要はない。
Google translation
It means that it interferes with substances. Currently, important nerves for military purposesThere are two lines of gas. That is, methylphosphonofluoro The acid (met hylpho sph onof lu ori dic acd) or the dialkylphosphonoIt is an alkyl ester of hydrocyanic acid (dia l kyl ph o phora mi doc yani di c a cid) G agent and mainly S-dialkylamine ethyl methylphosphonic acid(S-dialkylaminoethyl methylphosphonothiolic acid) alkyl estersIt is two strains of V agent which is Tel. G agent mainly acts by inhalationAlthough it is made, the agent V acts by skin penetration and inhalation of aerosol Was mainly made.Both chemically and toxicologically, nerve gas is commercially available organophosphorus insecticideIt is similar to the product. Data on severe nerve gas poisoning in humans is limitedHowever, on the other hand, there are a lot of information when humans are exposed to such insecticides Existing. Tetraethyl pyrophosphate (TEPP) and para Death from misuse of insecticides such as thion (parathion) and accidental poisoning Many reports have been reported. There are various kinds of G agent and V agent, and as a chemical weapon in the past in kiloton unit. The ones produced are as follows. There are various kinds of G agent and V agent, and as a chemical weapon in the past in kiloton unit The ones produced are as follows: O-ethyl N, N-dimethyl cyanide phosphoric acid (O-ethyl N, N-dimethyl phosphoroamidocyanidate) Tabun: CAS 77-81-6 O-isopropylmethylfluorophosphonic acid (O-isopropyl methylphosphonofluoridate) Sarin: CAS 107-44-8 O-1,2,2-trimethylpropylmethylfluorophosphone (O-1,2,2-trimethylpropyl methylphosphono fluoridate) Soman: CAS 96-64-0 O-ethyl S-2- (diisopropylamino) ethylmethylphosphonothio-milk acid(O-ethyl S-2- (diisopropylamino) ethyl methylphosphonothiolate) VX: CAS 50782-69-9O-Isobutyl S-2- (diisopropylamino) ethylmethylthiophosno phospholipid lactic acid (O-isobutyl S-2- (diisopropylamino) ethyl methyl thio phosphono thiolate) Vx: CAS 159939- 87-4 There are other products manufactured, but it is relatively small amount. Most manufactured Sarin and Vx are the most popular. In the following, from the isomer Vx to VX, a lot of descriptions about it are now detailed literature on the features of Vx.
It is because it is poor. However, even if there are differences in the characteristics of the two drugs, the general image of the medicine to be introduced does not seem to lose persuasive power. In addition to the G agent and the V agent, in addition to the organic phosphorus anticholinesterase agent in terms of chemical classification,Application of some chemicals to chemical weapons was examined. That, an example of a chemical substance like weaponized in the 1980's after the discovery of the 1970'sIt is novichok. However, the literature on Nobeck. Is small. As a feature, its toxicity is said to exceed the V agent, but the molecular structure. There is no carbon - phosphorus bond in construction. Therefore, some commentators openly. As alleged, some Novikcocks will at least be on the list of CWC.
Corporations Are People Too https://www.forbes.com/2010/01/25/corporations-china-business-economics-opinions-columnists-michael-maiello.html#167117d01b67
https://www.youtube.com/watch?v=E2h8ujX6T0A
Why Is a Corporation Considered an Artificial Person Under the Law? http://smallbusiness.chron.com/corporation-considered-artificial-person-under-law-57912.html
*CITIZENS UNITED v . FEDERAL ELECTION COMMISSION*https://www.law.cornell.edu/supct/html/08-205.ZS.html; https://www.supremecourt.gov/opinions/09pdf/08-205.pdf
TRADEMARK BULLYING AND MEDICATION ERRORS
DANGEROUSLY SIMILAR DRUGS
PUBLIC SHAMING TRADEMARK BULLIES DOES NOT WORK
ENSURING APPROPRIATE MEDICATION

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[55] In addition to the primary sources cited above, additional references include:
New York Times, Washington Post, Mercury News, Bayarea.com, Deccan Chronicle, the Hindu, Hindustan Times, Times of India, AP, Reuters, AFP, The Guardian, Pravda, Spiegel, Connexion, etc.

"Where the mind is without fear and the head is held high, Where knowledge is free Where the world has not been broken up into fragments, By narrow domestic walls." Rabindranath Tagore (1861-1941), Gitanjali, 1912.

One World One Family

AUM! SWASTI!

Om! Asatoma Sadgamaya, Tamasoma Jyotirgamaya, Mrityorma Amritamgamaya, Om Shantih, Shantih, Shantih! (Aum! Lead the world from wrong path to the right path, from ignorance to knowledge, from mortality to immortality, and peace!)

SWASTI! AUM!

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ॐ असतो मा सद्गमय । तमसो मा ज्योतिर्गमय । मृत्योर्मा अमृतं गमय । ॐ शान्तिः शान्तिः शान्तिः ॥