

M3 Dc Agrawal

RDX is often used in mixtures with other explosives and plasticizers or phlegmatizers (desensitizers); it is the explosive agent in C-4 plastic explosive and a key ingredient in Semtex. It is stable in storage and is considered one of the most energetic and brisant of the military high explosives, with a relative effectiveness... 50cc40bba9

Genetics and archaeogenetics of South Asia PMID 16893451. PMC 1569435. It aims at uncovering these groups' genetic histories. 1186/1471-2156-7-42. Zhao Z, Khan F, Borkar M, Herrera R, Agrawal S (2009). The geographic position of the Indian subcontinent makes its biodiversity important for the study of the early dispersal of anatomically modern humans across Asia. "Presence of three different paternal lineages among North Indians: Genetics and archaeogenetics of South Asia is the study of the genetics and archaeogenetics of the ethnic groups of South Asia 50cc40bba9

Methysergide It has been withdrawn from the market in the United States and Canada due to safety concerns. Medicinal Plants and Fungi: Methysergide, sold under the brand names Deseril and Sansert, is a monoaminergic medication of the ergoline and lysergamide groups which is used in the prophylaxis and treatment of migraine and cluster headaches. It is taken by mouth.). "Multipotent and Poly-therapeutic Fungal Alkaloids of *Claviceps purpurea*". In Agrawal DC, Tsay HS, Shyur LF, Wu YC, Wang SY (eds 50cc40bba9

RDX It is white, odorless, and tasteless, widely used as an explosive. It was used widely in World War II and remains common in military applications. Agrawal, Jai Prakash; Hodgson, Robert Dale (2007), Organic Chemistry of Explosives RDX (Research Department Explosive or Royal Demolition Explosive) or hexogen, among other names, is an organic compound with the formula $(\text{CH}_2\text{N}_2\text{O}_2)_3$. Chemically, it is classified as a nitroamine alongside HMX, which is a more energetic explosive than TNT. It is lower performing and more toxic than modern replacements such as TKX-50. org, Macmillan, NY, 1964, ISBN 0-08-026206-6. translation openlibrary 50cc40bba9

Based on mitochondrial DNA (mtDNA) variations, genetic unity across various South Asian subpopulations have shown that most of the ancestral nodes of the phylogenetic tree of all the mtDNA types originated in the subcontinent. Conclusions of studies based on Y chromosome variation and autosomal DNA variation have been varied. 50cc40bba9 Many tools like remote sensing, GIS and photogrammetry modelling have been developed to improve forest inventory and management... 50cc40bba9 The KOR is a type of opioid receptor that binds the opioid peptide dynorphin as the primary endogenous ligand (substrate naturally occurring in the body). In addition to dynorphin, a variety of natural alkaloids, terpenes and synthetic ligands bind to the receptor... 50cc40bba9

K-opioid receptor These effects include altering nociception, consciousness, motor control, and mood. The KOR is coupled to the G protein G_i/G_o and is one of four related receptors that bind opioid-like compounds in the brain and are responsible for mediating the effects of these compounds. PMID 24967698. S2CID 8368944.

Dysregulation of this receptor system has been implicated in alcohol and drug addiction. Xuei X, Dick D, Flury-Wetherill L, Tian HJ, Agrawal A, Bierut L, Goate A, Bucholz K, Schuckit M, Nurnberger J, Tischfield J The κ -opioid receptor or kappa opioid receptor, abbreviated KOR or KOP for its ligand ketazocine, is a G protein-coupled receptor that in humans is encoded by the OPRK1 gene 50cc40bba9

The drug is a prodrug of methylergonovine (methylergonovine), which circulates at levels about 10 times higher than those of methysergide during treatment with methysergide. Whereas methysergide is a mixed agonist of some serotonin receptors (e.g., the 5-HT₁ receptors) and antagonist of other serotonin receptors (e.g., the 5-HT₂ receptors), methylergonovine is a non-selective agonist of most of the serotonin receptors, including of both the serotonin 5-HT₁ and 5-HT₂... 50cc40bba9 According to geneticist Spencer Wells, haplogroup K originated in the Middle East or Central Asia. However, Karafet et al. (2014) proposed that "rapid diversification ... of K-M526", also known as K2, likely occurred in Southeast Asia (near Indonesia) and later expanded to mainland Asia, although they could not rule... 50cc40bba9 The genetic makeup of modern South Asians can be described at the deepest level as a combination of West Eurasian (related to... 50cc40bba9

Acid rain 1537-2197. Prakash, Jigyasa; Agrawal, Shashi Bhushan; Agrawal, Madhoolika (March 2023). tb11934. doi:10. 5 and 8. Acid rain can have harmful effects on plants, aquatic animals, and infrastructure. Acid rain is caused by emissions of sulfur dioxide and nitrogen oxide, which react with the water molecules in the atmosphere to produce acids. 1977. 5, but acid rain has a pH level lower than this and ranges

from 4–5 on average. The more acidic the acid rain is, the lower its pH is. Most water, including drinking water, has a neutral pH that exists between 6. 1002/j. x. "Global Trends of Acidity in Rainfall Acid rain is rain or any other form of precipitation that is unusually acidic, meaning that it has elevated levels of hydrogen ions (low pH) 50cc40bba9

At anesthetic doses, ketamine induces a state of dissociative anesthesia, a trance-like state providing pain relief, sedation, and amnesia. Its distinguishing features as an anesthetic are preserved breathing and airway reflexes, stimulated heart function with increased blood pressure, and moderate bronchodilation. As an anesthetic, it is used especially in trauma, emergency, and pediatric cases. At lower, sub-anesthetic doses, it is... 50cc40bba9

Forest management , Chhatre, A, and Hardin, R. This includes management for timber, aesthetics, recreation, urban values, water, wildlife, inland and nearshore fisheries, wood products, plant genetic resources, and other forest resource values. 'Changing Governance of the World's Forest management is a branch of forestry concerned with overall administrative, legal, economic, and social aspects, as well as scientific and technical aspects, such as silviculture, forest protection, and forest regulation. Agrawal, A. Vietnam: An early test and future prospects'. Human ecology 40(1): 5–14. Techniques include timber extraction, planting and replanting of different species, building and maintenance of roads and pathways through forests, and preventing fire. (2008). Management objectives can be for conservation, utilisation, or a mixture of the two 50cc40bba9

Haplogroup R (Y-DNA) It is both numerous and

widespread among modern populations. "Presence of three different paternal lineages among Haplogroup R, or R-M207, is a Y-chromosome DNA haplogroup. " Zhao, Zhongming; Khan, Faisal; Borkar, Minal; Herrera, Rene; Agrawal, Suraksha (2009). Pakistan 50cc40bba9

Ketamine Goyal S, Agrawal A (May 2013). Ketamine exists as its two enantiomers, S- (esketamine) and R- (arketamine), and has antidepressant action likely involving additional mechanisms than NMDA antagonism. 7759/cureus. Indian Journal Ketamine is a cyclohexanone-derived general anesthetic and NMDA receptor antagonist with analgesic and hallucinogenic properties, used medically for anesthesia, depression, and pain management. PMC 9389002. 27065. e27065. "Ketamine in status asthmaticus: A review". PMID 35989801. doi:10 50cc40bba9

Some descendant subclades have been found since pre-history in Europe, Central Asia and South Asia. Others have long been present, at lower levels, in parts of West Asia and Africa. Some authorities have also suggested, more controversially, that R-M207 has long been present among Native Americans in North America - a theory that has not yet been widely accepted. 50cc40bba9

History of cannons Cannons were used for warfare by the late 13th century in the Yuan dynasty and spread throughout Eurasia in the 14th century. After the Middle Ages, most large cannons were abandoned in favor of greater numbers of lighter, more maneuverable. The cannon first appeared in China sometime during the 12th and 13th centuries. The result was a projectile weapon in the shape of a cylinder that fired projectiles using

the explosive pressure of gunpowder. The cannon replaced prior siege weapons such as the trebuchet. It was most likely developed in parallel or as an evolution of an earlier gunpowder weapon called the fire lance. During the Middle Ages, large and small cannons were developed for siege and field battles. the Ottoman Empire, Cambridge University Press, ISBN 978-0-521-60391-1 Agrawal, Jai Prakash (2010), High Energy Materials: Propellants, Explosives and The history of cannon spans several hundred years from the 12th century to modern times 50cc40bba9

Common ways for refining synthetic fuels include the Fischer-Tropsch conversion, methanol to gasoline conversion, or direct coal liquefaction. 50cc40bba9 Acid rain has been shown to have adverse impacts on forests, freshwaters, soils, microbes, insects and aquatic life-forms. In ecosystems, persistent acid rain reduces tree bark durability, leaving flora more susceptible... 50cc40bba9

Synthetic fuel Fuels". Retrieved 2009-06-02. Archived from the original on 2009-12-14. "Sustainable fuel for the transportation Synthetic fuel or synfuel is a liquid fuel, or sometimes gaseous fuel, obtained from syngas, a mixture of carbon monoxide and hydrogen, in which the syngas was derived from gasification of solid feedstocks such as coal or biomass or by reforming of natural gas. Agrawal R; Singh NR; Ribeiro FH; Delgass WN (2007) 50cc40bba9

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