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tellychemicals@protonmail.com (Contact us for bulk supply, Send us email with cas number)

What are the differences between Ephedrine and Pseudoephedrine Chemicals ?

Structural differences image and source con-tacts; Anyone dealing with these products must especially know all the differences . Especially yields are always very high when you know better .

Chemical Structure-

Ephedrine

What is ephedrine

Effects of ephedrine

ephedrine vs ephedrine chemical differences

ephedrine HCl

ephedrine powder online sale

top quality ephedrine for sale online,

Formula: $C_{10}H_{15}NO$ CAS ID: 299-42-3 ChEMBL Id: 211456 ChemSpider ID: 8935 Molar mass: 165.24 g/mol

Ephedrine CAS No:50-98-6,

Ephedrine 99% ; CAS Number: 134-71-4,

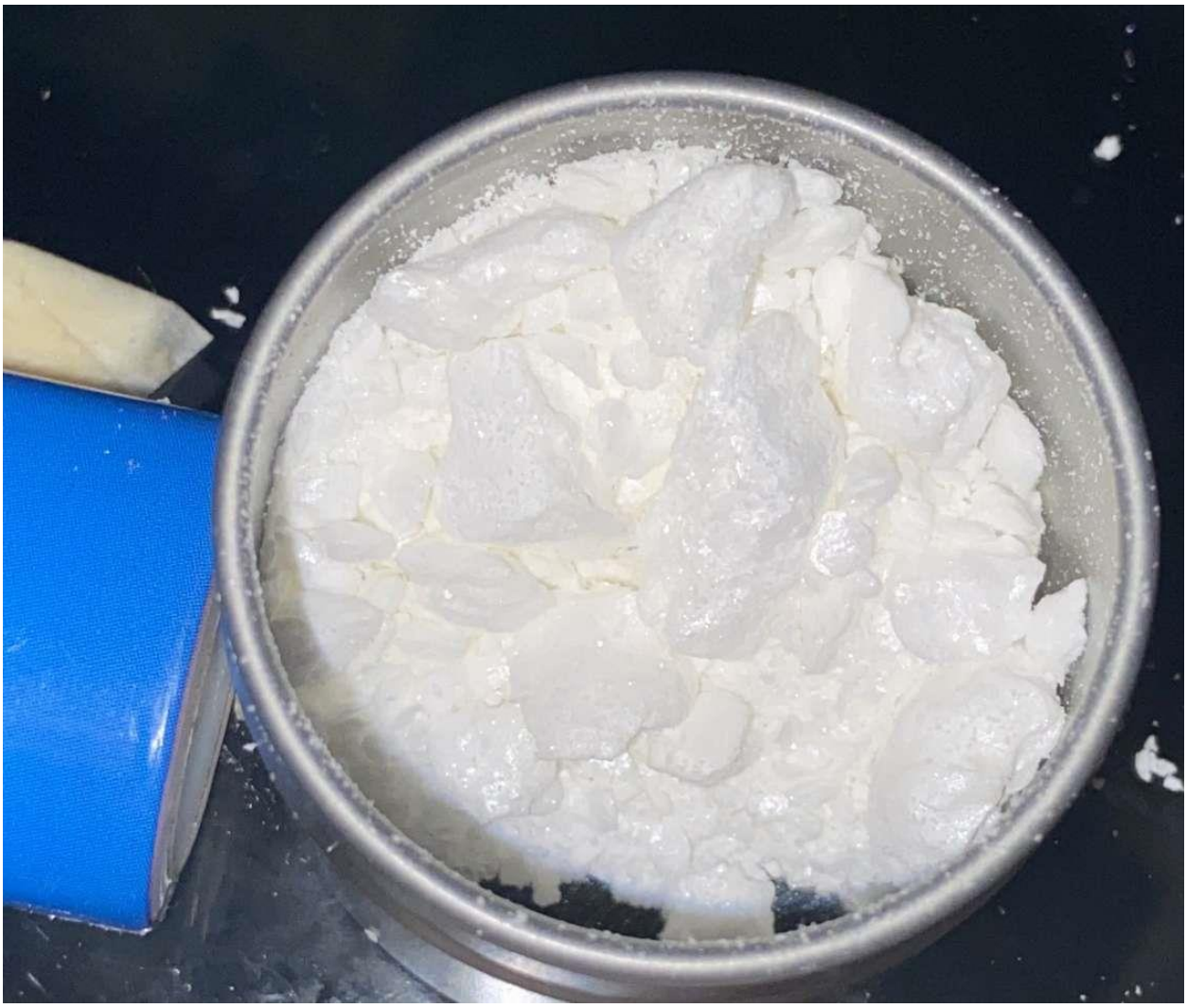
Ephedrine CAS ID: 299-42-3, tellychemicals@protonmail.com

Chemical/structural differences between the two compounds

Epherine has the chemical formula C10H15NO. It exists in two enantiomeric forms (d and l-ephedrine).-Differences between Ephedrine and Pseudoephedrine Chemicals .Ephedrine CAS No:50-98-6,

Ephedrine 99% CAS No: 134-71-4

Ephedrine CAS ID: 299-42-3,



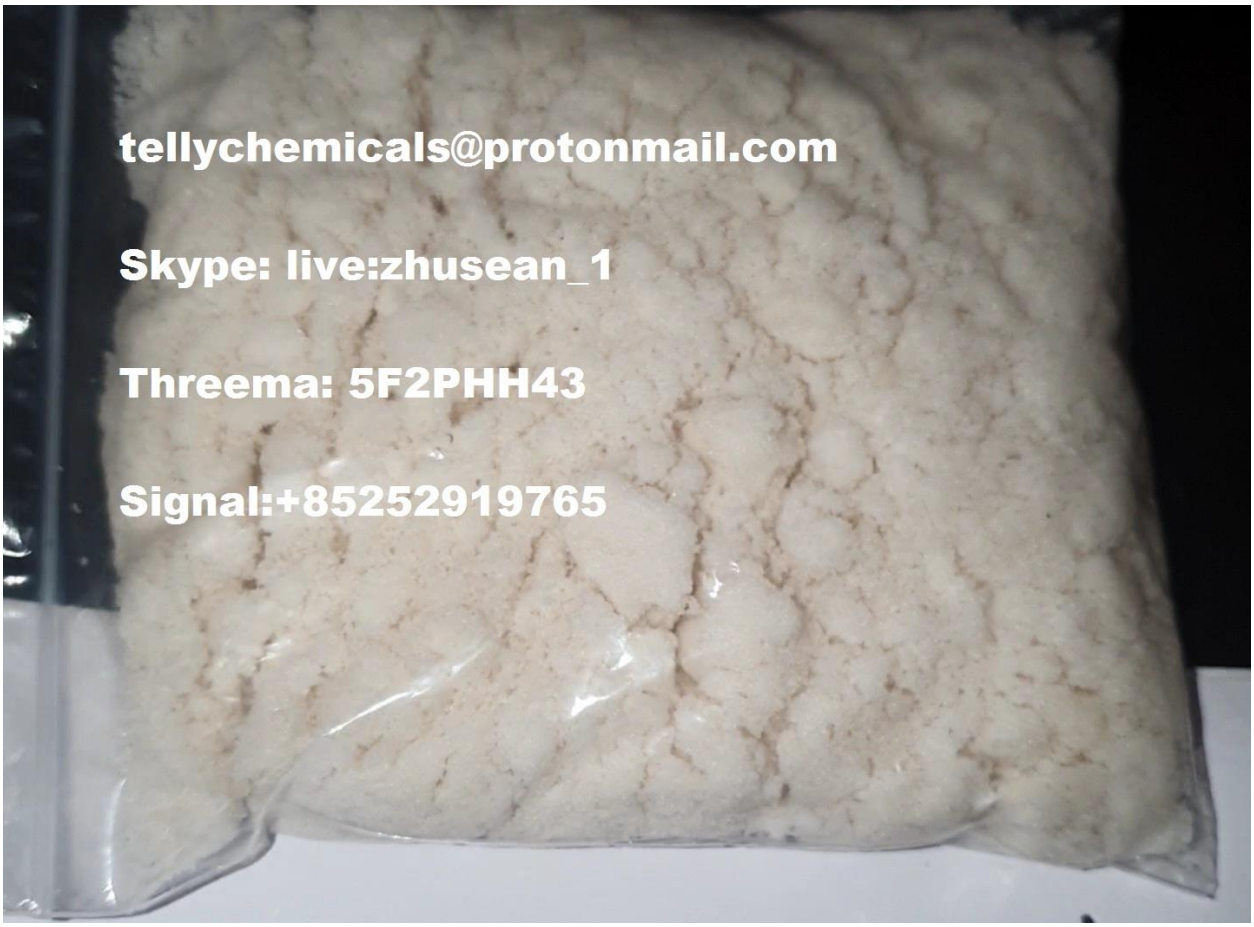
Pseudoephedrine CAS No: 90-82-4

Pseudoephedrine Cas number: 345-78-8

Source from vendors above. All have good products and its the same network.

Ephedrine and pseudoephedrine are both alkaloids found in the plant Ephedra and are used in medications primarily for their effects on the respiratory system. Despite their similarities, there are several important differences between the two compounds:

****Pseudoephedrine:**



** Pseudoephedrine, with the chemical formula C10H15NO, is a stereoisomer of ephedrine, meaning it has the same molecular formula but a different spatial arrangement of atoms.

Pharmacological Effects -

**Ephedrine:

** Ephedrine is a central nervous system stimulant. It has both alpha and beta-adrenergic agonist activity, which means it can increase heart rate and blood pressure, and cause bronchodilation (widening of the air passages in the lungs). -

**Pseudoephedrine:

** Pseudoephedrine is primarily used as a decongestant. It mainly has alpha-adrenergic activity, leading to vasoconstriction (narrowing of blood vessels), which reduces nasal congestion without significantly increasing heart rate or blood pressure.

Medical Uses -

**Ephedrine:

** Ephedrine is used to treat hypotension (low blood pressure) during anesthesia, nasal congestion, and sometimes for weight loss and athletic performance enhancement due to its stimulant properties. -

Pseudoephedrine:

Pseudoephedrine is commonly found in over-the-counter medications for the temporary relief of nasal congestion and sinus pressure caused by colds, allergies, and hay fever.

Side Effects -

Ephedrine:

Side effects of ephedrine can include nervousness, dizziness, headache, nausea, insomnia, and heart palpitations due to its stimulant nature. -

Pseudoephedrine:

Side effects of pseudoephedrine are usually milder and may include insomnia, dizziness, and restlessness. It is less likely to cause cardiovascular effects compared to ephedrine.

Legal and Regulatory Status -

Ephedrine:

Due to its potential for abuse and its use in the illicit manufacture of methamphetamine, ephedrine is regulated in many countries. In the U.S., it is available over the counter but with strict purchasing limits and monitoring. -

Pseudoephedrine:

Pseudoephedrine is also regulated due to its use in the synthesis of methamphetamine. In the U.S., it is available behind the counter and requires identification to purchase, with purchasing limits imposed.

Mechanism of Action -

Ephedrine:

Ephedrine acts by increasing the release of norepinephrine, a neurotransmitter, which stimulates adrenergic receptors in both the central and peripheral nervous systems. -

Pseudoephedrine:

Pseudoephedrine primarily stimulates alpha-adrenergic receptors, leading to vasoconstriction and reduced swelling and congestion in nasal passages. In summary, while both ephedrine and pseudoephedrine share some similarities in chemical structure and origin, they have distinct pharmacological effects, medical uses, side effects, and regulatory statuses, reflecting their different therapeutic roles and safety profiles. Clear difference between the 2 substance. Interested in Having or gettint more differences between pseudoephedrine HCl and Pseudoephedrine base / Ephedrine HCl and Ephedrine sulphate and Ephedrine citrate and Ephedrine 99 base powder .

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