

Tuaminoheptane HCl

Chemical Properties

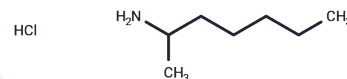
CAS No. : 6159-35-9

Formula: C₇H₁₈ClN

Molecular Weight: 151.68

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description

Tuaminoheptane is a sympathomimetic and vasoconstrictor that was once used as a nasal decongestant. It works by inhibiting and accelerating the release of norepinephrine, a mechanism that likely underpins its decongestant and stimulating effects. Unlike other norepinephrine-releasing agents such as phenethylamines, Tuaminoheptane's chemical structure lacks an aromatic ring. Additionally, it acts as a skin irritant and may cause contact dermatitis by inhibiting volume-regulated cation channels, which limits its utility as a decongestant.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.5928 mL	32.9641 mL	65.9283 mL
5 mM	1.3186 mL	6.5928 mL	13.1857 mL
10 mM	0.6593 mL	3.2964 mL	6.5928 mL
50 mM	0.1319 mL	0.6593 mL	1.3186 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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