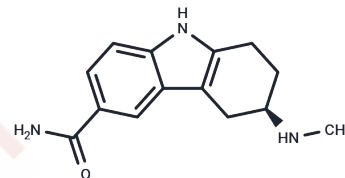


Frovatriptan

Chemical Properties

CAS No. :	158747-02-5
Formula:	C ₁₄ H ₁₇ N ₃ O
Molecular Weight:	243.3
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Frovatriptan is a highly potent and cerebroselective agonist of the 5-HT _{1B/1D} receptors, demonstrating the greatest receptor potency among clinically used triptan compounds, and it robustly activates serotonergic signaling pathways to modulate cranial vasoconstriction and trigeminal neurotransmission relevant to migraine pathophysiology, while showing demonstrated clinical efficacy and, in certain predefined endpoints, superiority when administered during the headache phase of migraine attacks accompanied by aura, supporting the optimized pharmacodynamic profile for targeted antimigraine therapy and translational neuropharmacology research.
Targets(IC ₅₀)	5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1102 mL	20.5508 mL	41.1015 mL
5 mM	0.822 mL	4.1102 mL	8.2203 mL
10 mM	0.411 mL	2.0551 mL	4.1102 mL
50 mM	0.0822 mL	0.411 mL	0.822 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.

Reference

Stefan Evers, et al. Efficacy of frovatriptan as compared to other triptans in migraine with aura.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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