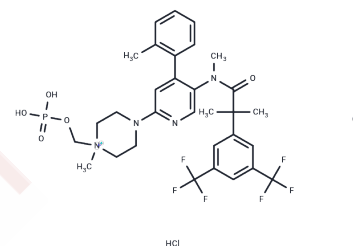


Fosnetupitant chloride monohydrochloride

Chemical Properties

CAS No. :	1643757-72-5
Formula:	C ₃₁ H ₃₇ Cl ₂ F ₆ N ₄ O ₅ P
Molecular Weight:	761.52
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	Fosnetupitant chloride monohydrochloride (Pro-netupitant chloride monohydrochloride) is a selective NK1 antagonist exhibiting high affinity for the human NK1 receptor with a pK _i value of 9.5, and a lower affinity for the NK3 receptor with a pK _i of 6.1. It serves as a methylene phosphate prodrug of Netupitant [1].
Targets(IC50)	Neurokinin receptor
In vitro	Fosnetupitant chloride monohydrochloride demonstrates micromolar affinity for 5-HT ₆ receptors (pK _i 5.2) and L-type Ca ²⁺ channels (pK _i > 5.7), without binding to any other proteins studied [1].
In vivo	Fosnetupitant chloride monohydrochloride (i.v.) quickly metabolizes into Netupitant [1] within minutes.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3132 mL	6.5658 mL	13.1316 mL
5 mM	0.2626 mL	1.3132 mL	2.6263 mL
10 mM	0.1313 mL	0.6566 mL	1.3132 mL
50 mM	0.0263 mL	0.1313 mL	0.2626 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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