

Hydroxyzine-D4

Chemical Properties

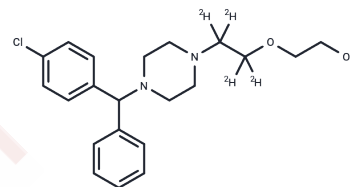
CAS No. : 2070014-84-3

Formula: C₂₁H₂₇ClN₂O₂

Molecular Weight: 378.93

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	Hydroxyzine-D4 is a deuterium-labeled variation of Hydroxyzine (T20884), a chemical compound known for its anticholinergic, anxiolytic, and analgesic properties. It is classified as a heterocyclic histamine H ₁ -receptor antagonist.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.639 mL	13.195 mL	26.3901 mL
5 mM	0.5278 mL	2.639 mL	5.278 mL
10 mM	0.2639 mL	1.3195 mL	2.639 mL
50 mM	0.0528 mL	0.2639 mL	0.5278 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

Minogiannis, P., et al., Hydroxyzine inhibits neurogenic bladder mast cell activation. *Int J Immunopharmacol*, 1998. 20(10): p. 553-63.

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