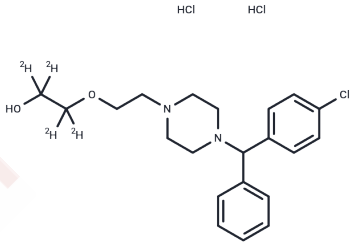
Data Sheet (Cat.No.TMIH-0271)

TargetMol

Hydroxyzine-D4 dihydrochloride

Chemical Properties



CAS No. : 1219805-91-0

Formula: C21H25D4Cl3N2O2

Molecular Weight: 451.85

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 dihydrochloride is a deuterated compound of Hydroxyzine dihydrochloride. Hydroxyzine dihydrochloride (T2200) has a CAS number of 2192-20-3. Hydroxyzine hydrochloride is a histamine H1 receptor antagonist that is effective in the treatment of chronic urticaria, dermatitis, and histamine-mediated pruritus. Unlike its major metabolite CETIRIZINE, it does cause drowsiness. It is also effective as an antiemetic, for relief of anxiety and tension, and as a sedative.
Targets(IC50)	Histamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2131 mL	11.0656 mL	22.1312 mL
5 mM	0.4426 mL	2.2131 mL	4.4262 mL
10 mM	0.2213 mL	1.1066 mL	2.2131 mL
50 mM	0.0443 mL	0.2213 mL	0.4426 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

1. Anthes JC, et al. Eur J Pharmacol, 2002, 449(3), 229-237.

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