

2-(1-(methyl-D3)-1H-imidazol-4-yl) ethan-1-amine dihydrochloride

Chemical Properties

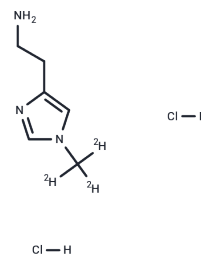
CAS No. :

Formula: C₆H₁₀D₃Cl₂N₃

Molecular Weight: 201.11

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

2-(1-(methyl-D3)-1H-imidazol-4-yl) ethan-1-amine dihydrochloride is a deuterated compound of 2-(1-(methyl)-1H-imidazol-4-yl)ethan-1-amine 2hydrochloride. 2-(1-(methyl)-1H-imidazol-4-yl)ethan-1-amine 2hydrochloride has a CAS number of 6481-48-7. 1-Methylhistamine dihydrochloride is a major metabolite of histamine by histamine N-methyltransferase in the pathway of histidine metabolism. It has been used as a biomarker of histaminergic system activity in the brains of Alzheimer's disease patients as well as those with hypersomnia and other neurological conditions.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9724 mL	24.862 mL	49.724 mL
5 mM	0.9945 mL	4.9724 mL	9.9448 mL
10 mM	0.4972 mL	2.4862 mL	4.9724 mL
50 mM	0.0994 mL	0.4972 mL	0.9945 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

Saito K, et al. Determination of urinary excretion of histamine and 1-methylhistamine by liquid chromatography. J Chromatogr B Biomed Appl. 1994 Apr 1;654(2):270-5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481