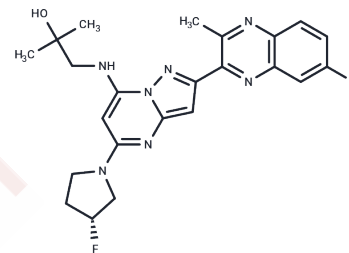


MT-3014

Chemical Properties

CAS No. : 1332727-40-8
 Formula: C₂₃H₂₅F₂N₇O
 Molecular Weight: 453.49
 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	MT-3014 is a potent, highly selective, and brain-penetrant inhibitor of phosphodiesterase 10A (PDE 10A), with IC ₅₀ values of 0.062 nM for human PDE 10A and 0.09 nM for bovine PDE 10A.
Targets(IC ₅₀)	Others,PDE

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2051 mL	11.0256 mL	22.0512 mL
5 mM	0.441 mL	2.2051 mL	4.4102 mL
10 mM	0.2205 mL	1.1026 mL	2.2051 mL
50 mM	0.0441 mL	0.2205 mL	0.441 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

Koizumi Y, et al. Discovery of a pyrazolo[1,5-a]pyrimidine derivative (MT-3014) as a highly selective PDE10A inhibitor via core structure transformation from the stilbene moiety. *Bioorg Med Chem.* 2019 Jun 19.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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