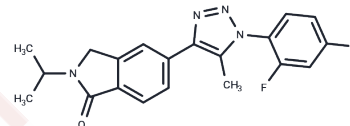


DFMTI

Chemical Properties

CAS No. :	864864-86-8
Formula:	C ₂₀ H ₁₈ F ₂ N ₄ O
Molecular Weight:	368.38
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	DFMTI fully inhibits the glutamate response of rmGlu1 L757V.
Targets(IC50)	Others, GluR
In vitro	DFMTI can completely block the rmGlu1 L757V glutamate response, although significantly higher concentrations were required to induce blockade.
In vivo	DFMTI is efficacious in disrupting prepulse inhibition when dosed orally in rats. DFMTI exhibits a moderate decrease in human potency of approximately 3-fold when compared to rat, exemplified by DFMTI.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7146 mL	13.5729 mL	27.1459 mL
5 mM	0.5429 mL	2.7146 mL	5.4292 mL
10 mM	0.2715 mL	1.3573 mL	2.7146 mL
50 mM	0.0543 mL	0.2715 mL	0.5429 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

Cho HP et al. A novel class of succinimide-derived negative allosteric modulators of metabotropic glutamate receptor subtype 1 provides insight into a disconnect in activity between the rat and human receptors. ACS Chem Neurosci. 2014 Jul 16;5(7):597-610.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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