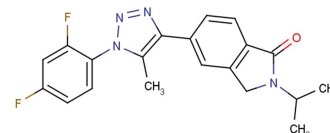


DFMTI

Chemical Properties

CAS No.:	864864-86-8
Formula:	C ₂₀ H ₁₈ F ₂ N ₄ O
Molecular Weight:	368.38
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	DFMTI can completely block the rmGlu1 L757V glutamate response.
Targets(IC ₅₀)	Others: None
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.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.715 mL	13.573 mL	27.146 mL
5 mM	0.543 mL	2.715 mL	5.429 mL
10 mM	0.271 mL	1.357 mL	2.715 mL
50 mM	0.054 mL	0.271 mL	0.543 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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