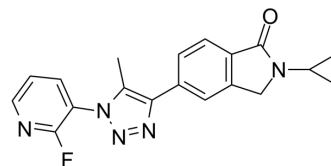


CFMTI

Cat. No.:	HY-100402		
CAS No.:	864864-17-5		
Molecular Formula:	C ₁₉ H ₁₆ FN ₃ O		
Molecular Weight:	349.36		
Target:	mGluR		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 3.7 mg/mL (10.59 mM; ultrasonic and warming and heat to 80°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.8624 mL	14.3119 mL	28.6238 mL
5 mM	0.5725 mL	2.8624 mL	5.7248 mL
10 mM	0.2862 mL	1.4312 mL	2.8624 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

CFMTI inhibits L-glutamate-induced intracellular Ca²⁺ mobilization in CHO cells expressing human and rat mGluR1a, with IC₅₀s of 2.6 and 2.3 nM, respectively^[1].

IC₅₀ & Target

Human mGluR1a	Rat mGluR1a
2.6 nM (IC ₅₀)	2.3 nM (IC ₅₀)

REFERENCES

[1]. Satow A et al. Unique antipsychotic activities of the selective metabotropic glutamate receptor 1 allosteric antagonist 2-cyclopropyl-5-[1-(2-fluoro-3-pyridinyl)-5-methyl-1H-1,2,3-triazol-4-yl]-2,3-dihydro-1H-indolizino[1,2-b]pyridin-1-one. J Pharmacol Exp Ther. 2009 Jul

Caution: Product has not been fully validated for medical applications. For research use only.

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