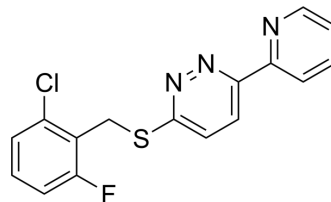


EAAT2 activator 1

Cat. No.:	HY-139692		
CAS No.:	892415-28-0		
Molecular Formula:	C ₁₆ H ₁₁ ClFN ₃ S		
Molecular Weight:	331.8		
Target:	EAAT		
Pathway:	Membrane Transporter/Ion Channel		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (75.35 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.0139 mL	15.0693 mL	30.1386 mL
		5 mM	0.6028 mL	3.0139 mL	6.0277 mL
10 mM		0.3014 mL	1.5069 mL	3.0139 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 1.67 mg/mL (5.03 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	EAAT2 activator 1 is the potent activator of excitatory amino acid transporter 2 (EAAT2). EAAT2 is the major glutamate transporter and functions to remove glutamate from synapses. EAAT2 activator 1 increases EAAT2 protein levels dose-dependently ^[1] .
IC₅₀ & Target	EAAT2

REFERENCES

[1]. Xing X, et al. Structure-activity relationship study of pyridazine derivatives as glutamate transporter EAAT2 activators. *Bioorg Med Chem Lett.* 2011;21(19):5774-5777.

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

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