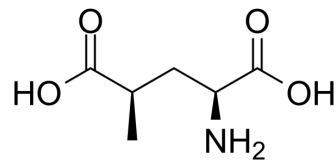


SYM 2081

Cat. No.:	HY-101310		
CAS No.:	31137-74-3		
Molecular Formula:	C ₆ H ₁₁ NO ₄		
Molecular Weight:	161.16		
Target:	iGluR		
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (310.25 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	6.2050 mL	31.0251 mL	62.0501 mL
5 mM	1.2410 mL	6.2050 mL	12.4100 mL
10 mM	0.6205 mL	3.1025 mL	6.2050 mL

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

BIOLOGICAL ACTIVITY

Description

SYM 2081 is a high-affinity ligand and potent, selective agonist of kainate receptors, inhibits [³H]-kainate binding with an IC₅₀ of 35 nM, almost 3000- and 200-fold selectivity for kainate receptors over AMPA and NMDA receptors respectively^[1].

IC₅₀ & Target

IC₅₀: 35 nM (kainate receptors)^[1]

REFERENCES

[1]. Lee JY, et al. Furthering pharmacological and physiological assessment of the glutamatergic receptors at the Drosophila neuromuscular junction. *Comp Biochem Physiol C Toxicol Pharmacol.* 2009 Nov;150(4):546-57.

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

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