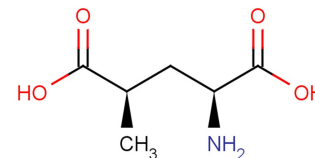


SYM 2081

## Chemical Properties

CAS No.: 31137-74-3  
Formula: C<sub>6</sub>H<sub>11</sub>NO<sub>4</sub>  
Molecular Weight: 161.16  
Appearance: N/A  
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	SYM 2081 is a high-affinity ligand and potent, selective agonist of kainate receptors. SYM 2081 inhibits [3H]-kainate binding (IC <sub>50</sub> : 35 nM), almost 3000- and 200-fold selectivity for kainate receptors over AMPA and NMDA receptors respectively.
Targets(IC <sub>50</sub> )	kainate receptors: 35 nM

## 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	6.205 mL	31.025 mL	62.05 mL
5 mM	1.241 mL	6.205 mL	12.41 mL
10 mM	0.621 mL	3.103 mL	6.205 mL
50 mM	0.124 mL	0.621 mL	1.241 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. 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.

Inhibitors · Natural Compounds · Compound Libraries

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