
Product Data Sheet

Product Name: SYM 2081

Cat. No.: GC16101

Chemical Properties

Cas. No. 31137-74-3

Chemical Name (2S,4R)-2-amino-4-methylpentanedioic acid

SMILES C[C@](C(O)=O)([H])C[C@@](N)([H])C(O)=OFormula C₆H₁₁NO₄ M.Wt 161.16

Solubility <8.06mg/ml in Water Storage Store at RT

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

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].

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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