

Kainic acid

Catalog No: tcsc0020451



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

Application:

kainate receptor agonist, selective.

CAS No:

487-79-6

Formula:

$C_{10}H_{15}NO_4$

Pathway:

Others

Target:

Others

Purity / Grade:

>99%

Solubility:

H₂O : ≥ 50 mg/mL (234.49 mM)

Storage Instruction:

Powder: -20°C for 3 years 4°C for 2 years **In solvent:** -80°C for 6 months -20°C for 1 month

Alternative Names:

(2S,3S,4S)-3-(carboxymethyl)-4-(prop-1-en-2-yl)pyrrolidine-2-carboxylic acid

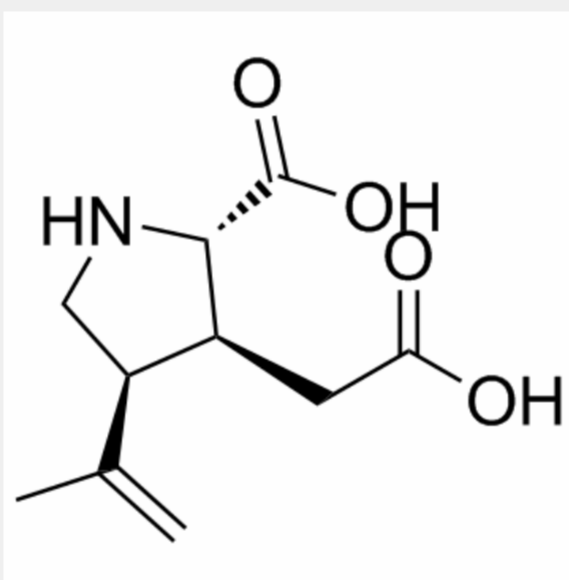
Observed Molecular Weight:

213.23

Product Description

Kainic acid is a potent agonist at **excitatory amino acid receptor** subtypes in the CNS.

In Vivo: Kainic acid is a potent agonist at excitatory amino acid receptor subtypes in the CNS. HO-I levels are significantly enhanced one, three and seven days after i.c.v. injection of Kainic acid. One day after i.c.v. injection of Kainic acid, the HO-I protein level reaches a maximum and then decreases, but is still significantly enhanced versus the vehicle-injected group. After i.c.v. injection of Kainic acid, HO-I-immunoreactivity is strongly induced not only in the CA3 but also widely in the whole hippocampus^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!