Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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:

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Powder: -20°C for3 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].