



Kainic Acid

Data Sheet

Catalog Number:	MC11048	Product Type:	Small Molecule
Bio-Activity:	Kainate receptor agonist; Neurotoxin	CAS #:	487-79-6
Research Categories:	Neuroscience	Chemical Name:	(2S,3S,4S)-Carboxy-4-(1-methylethyl)-3-pyrrolidineacetic acid
Solubility:	Soluble in Water (up to 10 mg/ml).	Molecular Formula:	C10H15NO4 (xH2O)
Purity:	> 98%	Molecular Weight:	213.2
Format:	Powder	Ship Temp:	Ambient
Storage:	Room Temperature		

Application Notes

Description/Data:

A conformationally restricted glutamate analog which acts as a selective agonist at kainate receptors. CNS stimulant and neurotoxin. Classic neuroexcitatory agent for induction of seizures in laboratory animals (typical dose 10-30 mg/kg) [1].

References:

- 1) Watkins et al. (1981), Excitatory amino acid transmitters; Ann. Rev. Pharmacol. Toxicol., 21 165

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