



## Kainic Acid

## Data Sheet

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