



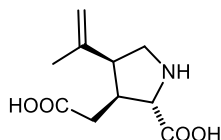
**Catalog # 10-2453**

**Kainic acid**

CAS# 487-79-6

(2S,3S,4S)-Carboxy-4-(1-methylethenyl)-3-pyrrolidineacetic acid, hydrate

Lot # X101142



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

**PHYSICAL DATA**

Molecular Weight: 213.24  
Molecular Formula: C<sub>10</sub>H<sub>15</sub>NO<sub>4</sub> (xH<sub>2</sub>O)  
Purity: 98% by TLC  
NMR: (Conforms)  
Solubility: Water (up to 10 mg/ml)  
Physical Description: White solid  
Storage and Stability: Store as supplied desiccated at room temperature for up to 1 year from the date of purchase. Solutions in distilled water may be stored at -20°C for up to 3 months.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**

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