

## Certificate of Analysis

<b>PRODUCT:</b>	<b>Kainic Acid (Synthetic)</b> [(2 <i>S</i> ,3 <i>S</i> ,4 <i>S</i> )2-carboxy-3-carboxymethyl-4-isopropenylpyrrolidine], (-)- $\alpha$ -Kainic Acid <b>C<sub>10</sub>H<sub>15</sub>NO<sub>4</sub> (xH<sub>2</sub>O), M.W. 213.2, CAS# [487-79-6]</b>
<b>PRODUCT NUMBER:</b>	K-1012
<b>LOT NUMBER:</b>	K1128D (Same as "Mother Lot" K1128)
<b>APPEARANCE:</b>	White to off white crystalline powder
<b>SOLUBILITY:</b>	Soluble in water @ 10 mg/mL
<b>PURITY (TLC):</b>	>98%
<b>PURITY (HPLC):</b>	>98%
<b>NMR:</b>	Conforms
<b>OPTICAL ROTATION:</b>	[ $\alpha$ ] D= -15.533
<b>PRODUCT DESCRIPTION:</b>	A conformationally restricted glutamate analog which acts as a selective agonist at kainite receptors. CNS stimulant and neurotoxin. Classic neuroexcitatory agent for induction of seizures in laboratory animals (typical dose 10–30 mg/kg).
<b>STORAGE &amp; HANDLING:</b>	<b>Store desiccated at +20°C (RT). Protect from light.</b> CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KS