
CERTIFICATE OF ANALYSIS

PRODUCT:	Kainic Acid (Synthetic) [(2 <i>S</i> ,3 <i>S</i> ,4 <i>S</i>)2-carboxy-3-carboxymethyl-4-isopropenylpyrrolidine], (-)- α -Kainic Acid $C_{10}H_{15}NO_4$ (xH ₂ O), M.W. 213.2, CAS# [487-79-6]
PRODUCT NUMBER:	K-1012
LOT NUMBER:	H1433
APPEARANCE:	White to off white crystalline powder
SOLUBILITY:	Soluble in water @ 10 mg/mL
PURITY (TLC):	> 98%
PURITY (HPLC):	> 98%
NMR:	Conforms
OPTICAL ROTATION:	[α] D = -15.531
PRODUCT DESCRIPTION:	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).
STORAGE & HANDLING:	Store desiccated at +20°C (RT). Protect from light. 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: SK