



LKT Laboratories, Inc.

Dihydrokainic Acid

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID D3328

CAS No. 52497-36-6

Chemical Name

Synonym 2-Carboxy-4-isopropyl-3-pyrrolidineacetic acid

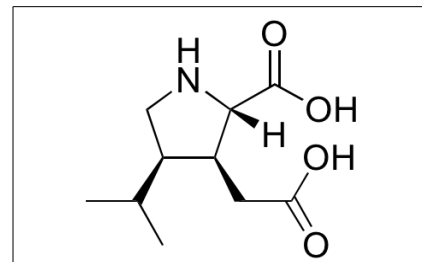
Formula C₁₀H₁₇NO₄

Formula Wt. 215.25

Melting Point 285°C(dec.)

Purity ≥98%

Solubility Soluble in water (>110mg/mL).



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
D3328	10 mg	\$323.60
D3328	25 mg	\$735.60

Store Temp Ambient

Ship Temp Ambient

Description Dihydrokainic acid is an inhibitor of GLT-1, preventing cellular uptake of glutamate. Dihydrokainic acid exhibits neuromodulatory activity and may induce excitotoxicity and excessive NMDA receptor activation. In vivo, dihydrokainic acid attenuates binge drinking behavior.

References Smith KL, John CS, Sypek EI, et al. Exploring the role of central astrocytic glutamate uptake in ethanol reward in mice. *Alcohol Clin Exp Res.* 2014 May;38(5):1307-14. PMID: 24655029.

Nie H, Weng HR. Impaired glial glutamate uptake induces extrasynaptic glutamate spillover in the spinal sensory synapses of neuropathic rats. *J Neurophysiol.* 2010 May;103(5):2570-80. PMID: 20220084.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.