



## Product Information

Product ID D3328

CAS No. 52497-36-6

**Chemical Name**

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

Formula  $C_{10}H_{17}NO_4$

Formula Wt. 215.25

Melting Point 285° C(dec.)

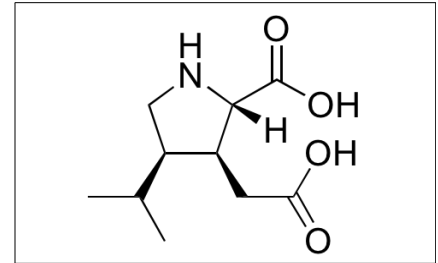
Purity ≥98%

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

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.



**Bulk quantities available upon request**

Product ID	Size
D3328	10 mg
D3328	25 mg

**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.