

Catalog Number: CM00217

产品信息

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CM00217

CAS号:
492-27-3

分子式:
C₁₀H₇NO₃

主要靶点:
AMPA

主要通路:
Neuronal Signaling

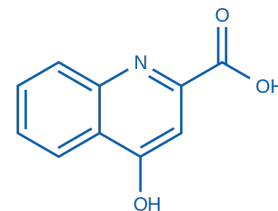
分子量:
189.1675

MDL NO:
MFCD00149476

Pubchem ID:
3845

溶解度:

DMSO	10 mg/mL
Water	Insoluble
Ethanol	Insoluble



描述

Kynurenic acid (KYNA) is an endogenous antagonist of glutamate in the central nervous system. It is most active as an antagonist at receptors sensitive to N - methyl - D - aspartate (NMDA) which regulate neuronal excitability and plasticity, brain development and behaviour. Peripheral administration of kynurenic acid, at a dose that caused plasma levels to increase 430-fold, resulted in only 4-fold increases in striatal ECF (extracellular fluid) concentrations. KYNA has a significant protective effect on liver injury induced by thioacetamide (TAA).

储存

储存条件:

粉末	-20°C	3年
液体	-80°C	1年

运输条件:

Shipped in cold pack

参考文献

- 1 Sekine A, Okamoto M, et al. Amino acids inhibit kynurenic acid formation via suppression of kynurenine uptake or kynurenic acid synthesis in rat brain in vitro. Springerplus. 2015 Feb 1;4:48.
- 2 Di Serio C, Cozzi A, et al. Kynurenic acid inhibits the release of the neurotrophic fibroblast growth factor (FGF)-1 and enhances proliferation of glia cells, in vitro. Cell Mol Neurobiol. 2005 Sep;25(6):981-93.