LKT Laboratories, Inc.

Kynurenic acid

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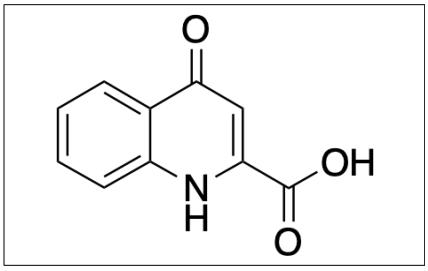
Product Information

Product ID K977545
CAS No. 492-27-3
Chemical Name 4-Hydroxyquinoline-2-carboxylic acid



Synonym 4-Hydroxyquinoline-2-carboxylic acid, Kynurenate, Quinurenic acid, Transtorine, 4-oxo-1,4-dihydroquinoline-2-carboxylic acid, Kinurenic acid, Kynuronic acid, KYNA

Formula $C_{10}H_7NO_3$
Formula Wt. 189.17
Melting Point
Purity ≥99%
Solubility Soluble in water - 9 mg/mL.
DMSO-5 mg/mL

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
K977545	250 mg	$41.00
K977545	1 g	$99.80
K977545	5 g	$204.80

Store Temp 4°C
Ship Temp Ambient
Description Kynurenic acid is an endogenous antagonist of NMDA receptors, and exhibits neuroprotective effects. It is both an antiexcitotoxic and anticonvulsant. It and its analogues have been studied in a variety of neurological conditions and diseases, including Alzhheimer's, schizophrenia, and age-related learning and memory impairment.

References

Elmslie K., Yoshikami D. Effects of kynurenate on root potentials evoked by synaptic activity and amino acids in the frog spinal cord. Brain Res. 330(2):265-72. PMID: 2985194.

Plitman E., Iwata Y., et al. Kynurenic Acid in Schizophrenia: A Systematic Review and Meta-analysis. Schizophr Bull. 43(4):764-77 (2017). PMID: 28187219.

Vohra M., Lemieux G., et al. Kynurenic acid accumulation underlies learning and memory impairment associated with aging. Genes Dev. 32(1);14-19 (2018). PMID: 29386332.