

Quinolinic acid

Cat. No. ALK-0023

Lot. No. (See product label)



Product Name

Quinolinic acid

CAS No.

89-00-9

Description

Quinolinic acid is an endogenous N-methyl-D-aspartate (NMDA) receptor agonist synthesized from L-tryptophan via the kynurenine pathway and thereby has the potential of mediating N-methyl-D-aspartate neuronal damage and dysfunction.

Structural Formula

Quinolinic acid

MW

167.12

MF

C₇H₅NO₄

Purity

0.9981

Appearance

Solid

Solubility

DMSO : 33.33 mg/mL(199.44 mM;Need ultrasonic) H₂O : 3.33 mg/mL(19.93 mM;Need ultrasonic)

IC₅₀ & Target

Topoisomerase I

Shipping

Room temperature in continental US; may vary elsewhere.

SMILES

O=C(C1=NC=CC=C1C(O)=O)O

In Vitro

Quinolinic acid (0-50 mM; 24 hours) decreases the percentage of survival cells ranging from 100±0.01% at 5 mM to 45.23±0.01% at 50 mM in N18D3 cells.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Storage

-20°C for 3 years

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