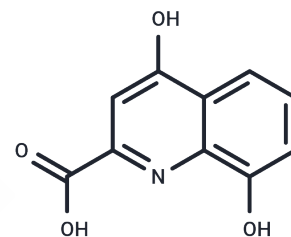


Xanthurenic Acid

Chemical Properties

CAS No. :	59-00-7
Formula:	C ₁₀ H ₇ NO ₄
Molecular Weight:	205.17
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Xanthurenic Acid (8-Hydroxykynurenic acid), a molecule arising from tryptophan metabolism by transamination of 3-hydroxykynurenine, activates mGlu2/3 Metabotropic glutamate receptors (mGlu2 and mGlu3).
Targets(IC50)	Apoptosis,Endogenous Metabolite,GluR

Solubility Information

Solubility	DMSO: 2.05 mg/mL (9.99 mM),Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.874 mL	24.370 mL	48.7401 mL
5 mM	0.9748 mL	4.874 mL	9.748 mL
10 mM	0.4874 mL	2.437 mL	4.874 mL
50 mM	0.0975 mL	0.4874 mL	0.9748 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Haruki H, et al. J Biol Chem. 2015 Nov 12. pii: jbc.C115.680488.

Lee A, Chung Y C, Kim K Y, et al.Hydroethanolic Extract of Fritillariae thunbergii Bulbus Alleviates Dextran Sulfate Sodium-Induced Ulcerative Colitis by Enhancing Intestinal Barrier Integrity.Nutrients.2023, 15(12): 2810.

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