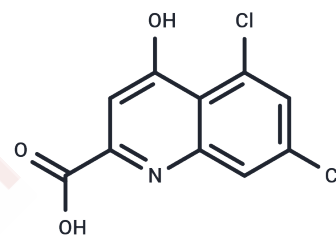


5,7-Dichlorokynurenic acid

Chemical Properties

CAS No. :	131123-76-7
Formula:	C ₁₀ H ₅ Cl ₂ N ₃ O ₃
Molecular Weight:	258.06
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	5,7-Dichlorokynurenic acid (5,7-dichlorokynurenic acid sodium) is an NMDA receptor antagonist.
Targets(IC50)	NMDAR,iGluR

Solubility Information

Solubility	DMSO: 55 mg/mL (213.13 mM),Sonication is recommended. 1eq. NaOH: 100 mM,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2.5 mg/mL (9.69 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8751 mL	19.3753 mL	38.7507 mL
5 mM	0.775 mL	3.8751 mL	7.7501 mL
10 mM	0.3875 mL	1.9375 mL	3.8751 mL
50 mM	0.0775 mL	0.3875 mL	0.775 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

Kondori NR, Paul P, Robbins JP, Liu K, Hildyard JCW, Wells DJ, de Belleruche JS. Focus on the Role of D-serine and D-amino Acid Oxidase in Amyotrophic Lateral Sclerosis/Motor Neuron Disease (ALS). Front Mol Biosci. 2018 Feb 13;5:8.

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