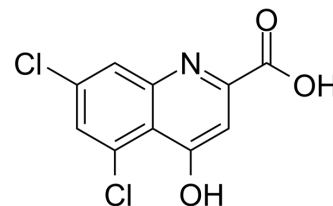


5,7-Dichlorokynurenic acid

Cat. No.:	HY-100834
CAS No.:	131123-76-7
Molecular Formula:	C ₁₀ H ₅ Cl ₂ NO ₃
Molecular Weight:	258.06
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (96.88 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.8751 mL	19.3753 mL	38.7507 mL
	5 mM	0.7750 mL	3.8751 mL	7.7501 mL
	10 mM	0.3875 mL	1.9375 mL	3.8751 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

5,7-Dichlorokynurenic acid (5,7-DCKA) is a selective and competitive antagonist of the glycine site on NMDA receptor with a K_B of 65 nM. 5,7-Dichlorokynurenic acid, a derivative of kynurenic acid, reduced NMDA-induced neuron injury in rat cortical cell cultures^[1].

REFERENCES

[1]. D McNamara, et al. 5,7-Dichlorokynurenic acid, a potent and selective competitive antagonist of the glycine site on NMDA receptors. *Neurosci Lett.* 1990 Nov 27;120(1):17-20.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA