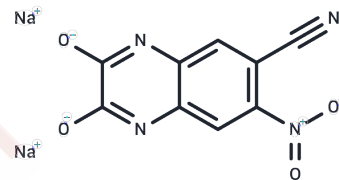


CNQX disodium

Chemical Properties

CAS No. :	479347-85-8
Formula:	C ₉ H ₂ N ₄ Na ₂ O ₄
Molecular Weight:	276.12
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	CNQX disodium is a competitive non-NMDA receptor antagonist and competitive AMPA/kainate receptor antagonist in neuronal cultures.
Targets(IC50)	iGluR
In vivo	The ED50 for ?CNQX was 45.9+/-4.65 microg, respectively.?Intrathecal injection of a combination of CNQX and gabapentin produced a strong synergistic antiallodynic effect in neuropathic rats[1].

Solubility Information

Solubility	DMSO: 25 mg/mL (90.54 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6216 mL	18.1081 mL	36.2161 mL
5 mM	0.7243 mL	3.6216 mL	7.2432 mL
10 mM	0.3622 mL	1.8108 mL	3.6216 mL
50 mM	0.0724 mL	0.3622 mL	0.7243 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

S, R, Chen,et al. Synergistic effect between intrathecal non-NMDA antagonist and gabapentin on allodynia induced by spinal nerve ligation in rats.[J]. Anesthesiology, 2000.

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