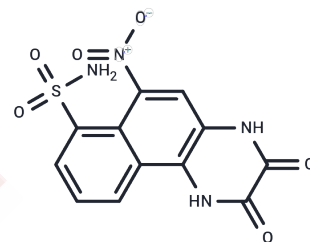


## NBQX

## Chemical Properties

CAS No. :	118876-58-7
Formula:	C <sub>12</sub> H <sub>8</sub> N <sub>4</sub> O <sub>6</sub> S
Molecular Weight:	336.28
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	NBQX (FG9202) is a potent, selective and competitive AMPA receptor antagonist. Neuroprotective and anticonvulsant; active in vivo.
Targets(IC50)	GluR,iGluR

## Solubility Information

Solubility	DMSO: 125 mg/mL (371.71 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 3.33 mg/mL (9.9 mM),Suspension. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.95 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	2.9737 mL	14.8686 mL	29.7371 mL
5 mM	0.5947 mL	2.9737 mL	5.9474 mL
10 mM	0.2974 mL	1.4869 mL	2.9737 mL
50 mM	0.0595 mL	0.2974 mL	0.5947 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

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