Data Sheet (Cat.No.T23344)



SDZ 220-040

Chemical Properties

CAS No.: 174575-40-7

Formula: C16H16Cl2NO6P

Molecular Weight: 420.18

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

$$\begin{array}{c} \text{NH}_2 \\ \text{OH} \\ \text{OH} \end{array}$$

Biological Description

Description	SDZ 220-040 is a selective mammalian NMDA receptor antagonist that induces a partially gravity-free mode of root growth.
Targets(IC50)	NMDAR

Solubility Information

Solubility	DMSO: 50 mg/mL (118.99 mM),Sonication is recommended.
⊗	(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3799 mL	11.8997 mL	23.7993 mL
5 mM	0.476 mL	2.3799 mL	4.7599 mL
10 mM	0.238 mL	1.190 mL	2.3799 mL
50 mM	0.0476 mL	0.238 mL	0.476 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.

Reference

Brian G Forde. et al. Glutamate signalling via a MEKK1 kinase-dependent pathway induces changes in Arabidopsis root architecture. Plant J. 2013 Jul;75(1):1-10.

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