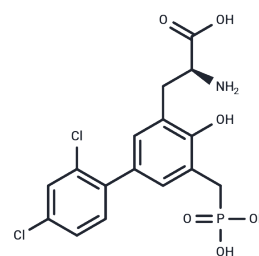


SDZ 220-040

Chemical Properties

CAS No. : 174575-40-7
 Formula: C₁₆H₁₆Cl₂NO₆P
 Molecular Weight: 420.18
 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	SDZ 220-040 is a selective mammalian NMDA receptor antagonist that induces a partially gravity-free mode of root growth.
Targets(IC50)	NMDAR,iGluR

Solubility Information

Solubility	DMSO: 50 mg/mL (119 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	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.

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

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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