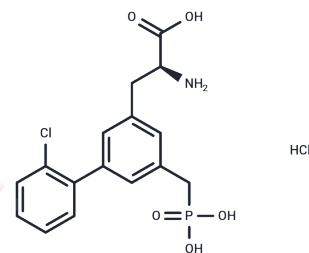


## SDZ 220-581 hydrochloride

### Chemical Properties

CAS No. : 179411-93-9  
 Formula: C<sub>16</sub>H<sub>18</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>5</sub>P  
 Molecular Weight: 406.2  
 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 220-581 hydrochloride is a potent, orally active and competitive antagonist of NMDA receptor(pKi : 7.7).
Targets(IC50)	Others, iGluR

### Solubility Information

Solubility	DMSO: 5 mg/mL (12.31 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4618 mL	12.3092 mL	24.6184 mL
5 mM	0.4924 mL	2.4618 mL	4.9237 mL
10 mM	0.2462 mL	1.2309 mL	2.4618 mL
50 mM	0.0492 mL	0.2462 mL	0.4924 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

Gilmour G, et al. In vitro characterisation of the novel positive allosteric modulators of the mGlu<sub>5</sub> receptor, LSN2463359 and LSN2814617, and their effects on sleep architecture and operant responding in the rat. *Neuropharmacology*. 2013 Jan;64:224-39.

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