Web: www.taiclone.com
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# SDZ 220-581

## Catalog No: tcsc1475

### Available Sizes

**Size:** 10mg

**Size:** 50mg

### Specifications

**CAS No:**
174575-17-8

**Formula:**
$C_{16}H_{17}ClNO_5P$

**Pathway:**
Membrane Transporter/Ion Channel;Neuronal Signaling

**Target:**
iGluR;iGluR

**Purity / Grade:**
>98%

**Solubility:**
DMSO : 8.57 mg/mL (23.18 mM; Need ultrasonic and warming)

**Observed Molecular Weight:**
369.74

## Product Description

SDZ 220-581 is a potent, competitive antagonist at the NMDA glutamate receptor subtype(pKi= 7.7).

IC50 Value:

Target: NMDA receptor

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in vitro: Wake-promoting doses of LSN2463359 and LSN2814617 attenuated deficits in performance induced by the competitiveNMDA receptor antagonist SDZ 220,581 in two tests of operant behaviour: the variable interval 30 s task and the DMTP task [1].

in vivo: Administration of SDZ 220-581 or CGS 19755 was associated with a robust reduction in PPI, whereas L-701,324, 4-Cl-KYN or MLA failed to alter PPI [2]. With the most active agent, SDZ 220-581, full protection against maximal electroshock seizures (MES) was obtained at oral doses of 10 mg/kg in rats and in mice. The compound had a fast onset ( or = 24 hr) of action [3]. Rats were pretreated with clozapine (0 or 5.0 mg/kg) or haloperidol (0 or 0.1 mg/kg), together with SDZ 220-581 (0 or 2.5 mg/kg), and tested. SDZ 220-581 and SDZ EAB-515 decreased PPI without affecting startle magnitude [4].