**Product Name:** SDZ 220-581 Ammonium salt

**CAS No.:** 179411-94-0

**Cat. No.:** HY-13059A

**MWT:** 386.77

**Formula:** C16H20ClN2O5P

**Purity:** >98%

**Solubility:** DMSO

### Biological Activity:

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

**IC50 Value:**

**Target:** NMDA receptor

**in vitro:** Wake-promoting doses of LSN2463359 and LSN2814617 attenuated deficits in performance induced by the competitive NMDA 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 = 1 hr) and a long duration (> or = 24 hr) of action [3]. Rats were pretreated with clozapine (0 or 5.0 mg/kg) or haloperidol ...

### References:


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**Caution: Not fully tested. For research purposes only**

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