Product Name: SDZ 220-581 hydrochloride

CAS No.: 179411-93-9

Cat. No.: HY-13059B

MWt: 406.20

Formula: C16H18Cl2NO5P

Purity : >98%

Solubility: DMSO

Mechanisms: Pathways: Membrane Tranporter/Ion Channel; Target: NMDA Receptor
Pathways: Neuronal Signaling; Target: NMDA Receptor

Biological Activity:
SDZ 220-581 HCl is a potent, competitive antagonist at the NMDA glutamate receptor subtype.

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 (0 or 0.1 mg/kg), tog...

References:

Caution: Not fully tested. For research purposes only

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