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产品名称：SDZ 220-581 (hydrochloride)
产品别名：SDZ 220-581 hydrochloride

生物活性：

Description	SDZ 220-581 hydrochloride is an orally active, potent, competitive NMDA receptor antagonist with pK_i value of 7.7[1].
IC_{50} & Target	pKi: 7.7 (NMDA receptor)[1]
In Vivo	SDZ 220-581 (3.2-32 mg/kg; oral administration; for 24 hours; male OF-I mice) treatment dose-dependently protects mice against maximal electroshock seizures (MES). The time-course of protection by SDZ 220-581 is characterized by a rapid onset and long duration of action[1].

Animal Model:	Male OF-I mice (18-26 g)[1]
Dosage:	3.2 mg/kg, 10 mg/kg, 32 mg/kg
Administration:	Oral administration; for 24 hours
Result:	Dose-dependently protected mice against maximal electroshock seizures (MES) upon oral administration.

Solvent&Solubility

In Vitro:

DMSO : 5 mg/mL (12.31 mM; Need ultrasonic and warming)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	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

*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液；一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。

储备液的保存方式和期限：-80°C, 6 months; -20°C, 1 month。-80°C 储存时，请在 6 个月内使用，-20°C 储存时，请在 1 个月内使用。

References

[1]. Urwyler S, et al. Biphenyl-derivatives of 2-amino-7-phosphono-heptanoic acid, a novel class of potent competitive N-methyl-D-aspartate receptor antagonists--II. Pharmacological characterization in vivo. Neuropharmacology. 1996 Jun;35(6):655-69.

[2]. Gilmour G, et al. In vitro characterisation of the novel positive allosteric modulators of the $mGlu_5$ receptor, LSN2463359 and LSN2814617, and their effects on sleep architecture and operant responding in the rat. Neuropharmacology. 2013 Jan;64:224-39.