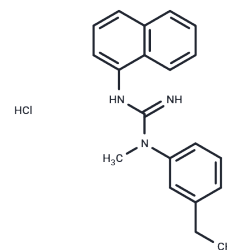


Aptiganel hydrochloride

Chemical Properties

CAS No. :	137160-11-3
Formula:	C ₂₀ H ₂₂ ClN ₃
Molecular Weight:	339.86
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	Aptiganel hydrochloride (Cerestat) is the salt form of Aptiganel. Aptiganel is a non-competitive NMDA antagonist with neuroprotective effects used in the treatment of stroke and focal cerebral ischemia.
Targets(IC50)	NMDAR, iGluR

Solubility Information

Solubility	DMSO: 80 mg/mL (235.39 mM), Sonication is recommended. H ₂ O: 5 mg/mL (14.71 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9424 mL	14.7119 mL	29.4239 mL
5 mM	0.5885 mL	2.9424 mL	5.8848 mL
10 mM	0.2942 mL	1.4712 mL	2.9424 mL
50 mM	0.0588 mL	0.2942 mL	0.5885 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

Bokesch PM, et al. Immediate-early gene expression in ovine brain after hypothermic circulatory arrest: effects of aptiganel. *Ann Thorac Surg.* 1997 Oct;64(4):1082-7; discussion 1088.

Kroppenstedt SN, et al. Protective effects of aptiganel HCl (Cerestat) following controlled cortical impact injury in the rat. *J Neurotrauma.* 1998 Mar;15(3):191-7.

McBurney RN. Development of the NMDA ion-channel blocker, aptiganel hydrochloride, as a neuroprotective agent for acute CNS injury. *Int Rev Neurobiol.* 1997;40:173-195.

Kroppenstedt SN, et al. Neuroprotective properties of aptiganel HCl (Cerestat) following controlled cortical impact injury. *Acta Neurochir Suppl.* 1998;71:114-116.

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