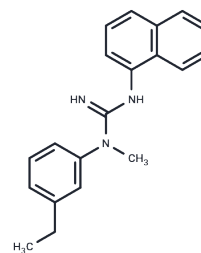


Aptiganel

Chemical Properties

CAS No. :	137159-92-3
Formula:	C ₂₀ H ₂₁ N ₃
Molecular Weight:	303.4
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 (CNS-1102) is a non-competitive NMDA antagonist, a peptide that may be used to study acute ischemic stroke.
Targets(IC50)	NMDAR,iGluR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.296 mL	16.4799 mL	32.9598 mL
5 mM	0.6592 mL	3.296 mL	6.592 mL
10 mM	0.3296 mL	1.648 mL	3.296 mL
50 mM	0.0659 mL	0.3296 mL	0.6592 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

- Kroppenstedt SN, et al. Neuroprotective properties of aptiganel HCL (Cerestat) following controlled cortical impact injury. Acta Neurochir Suppl. 1998;71:114-116.
- 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. Protective effects of aptiganel HCL (Cerestat) following controlled cortical impact injury in the rat. J Neurotrauma. 1998 Mar;15(3):191-7.
- 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.

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