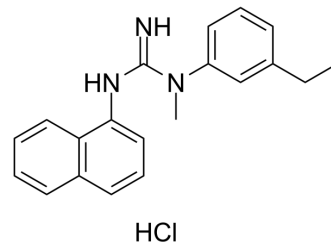


## Aptiganel hydrochloride

<b>Cat. No.:</b>	HY-110097		
<b>CAS No.:</b>	137160-11-3		
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>22</sub> ClN <sub>3</sub>		
<b>Molecular Weight:</b>	339.86		
<b>Target:</b>	iGluR		
<b>Pathway:</b>	Membrane Transporter/Ion Channel; Neuronal Signaling		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (294.24 mM; Need ultrasonic)

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

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Aptiganel hydrochloride (Cerestat) is a non-competitive NMDA receptor antagonist with neuroprotective effect.

### REFERENCES

- [1]. Kroppenstedt SN, Schneider GH, Thomale UW, Unterberg AW. Neuroprotective properties of aptiganel HCL (Cerestat) following controlled cortical impact injury. Acta Neurochir Suppl. 1998;71:114-116.
- [2]. 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.

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA