

## 1-(7-carbamimidamidoheptyl)guanidine 2HCl

## Chemical Properties

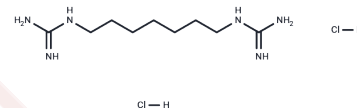
CAS No. : 2193061-39-9

Formula: C<sub>9</sub>H<sub>24</sub>Cl<sub>2</sub>N<sub>6</sub>

Molecular Weight: 287.23

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	1,1'-(Heptane-1,7-diyl)diguandine dihydrochloride is a potent and selective small molecule inhibitor of glycogen synthase kinase-3 (GSK-3). It is used in studies of stem cell differentiation, tumors and neurodegenerative diseases.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 50 mg/mL (174.08 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	3.4815 mL	17.4077 mL	34.8153 mL
5 mM	0.6963 mL	3.4815 mL	6.9631 mL
10 mM	0.3482 mL	1.7408 mL	3.4815 mL
50 mM	0.0696 mL	0.3482 mL	0.6963 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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