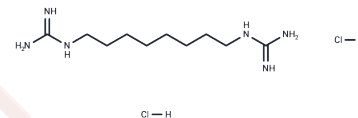


## 1-(8-carbamimidamidoctyl)guanidine 2HCl

## Chemical Properties

CAS No. :	25303-05-3
Formula:	C10H26Cl2N6
Molecular Weight:	301.26
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'-(Octane-1,8-diyl)diguandine dihydrochloride is a synthetic opioid peptide derived from the natural opioid peptide enkephalin. It is a potent agonist of the mu-opioid receptor (MOR) with a $K_i$ of 0.14 nM, making it one of the most potent MOR agonists known to date.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 125 mg/mL (414.92 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (33.19 mM), Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3194 mL	16.597 mL	33.1939 mL
5 mM	0.6639 mL	3.3194 mL	6.6388 mL
10 mM	0.3319 mL	1.6597 mL	3.3194 mL
50 mM	0.0664 mL	0.3319 mL	0.6639 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**

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