

CSD-CH2(1,8)-NH2

## Chemical Properties

CAS No. :

Formula: C76H125N25O15S2

Molecular Weight: 1693.09

Keep away from moisture

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	CSD-CH2(1,8)-NH2 is a selective and competitive kappa-opioid receptor (KOR) antagonist with a $K_i$ of 6.8 nM. It inhibits calcium mobilization in dorsal root ganglion (DRG) neurons and counters the antinociceptive effect of U50,488, making it useful for research into neuropsychiatric disorders [1].
Targets(IC50)	Opioid Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5906 mL	2.9532 mL	5.9064 mL
5 mM	0.1181 mL	0.5906 mL	1.1813 mL
10 mM	0.0591 mL	0.2953 mL	0.5906 mL
50 mM	0.0118 mL	0.0591 mL	0.1181 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.

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