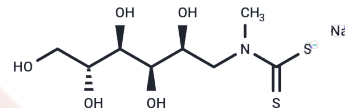


## MDCG sodium

## Chemical Properties

CAS No. :	91840-27-6
Formula:	C <sub>8</sub> H <sub>16</sub> NNaO <sub>5</sub> S <sub>2</sub>
Molecular Weight:	293.34
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	MDCG sodium (N-methyl-N-dithiocarboxyglucamine sodium) is a metal chelator that promotes biliary excretion of Cd.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 50 mg/mL (170.45 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	3.409 mL	17.0451 mL	34.0901 mL
5 mM	0.6818 mL	3.409 mL	6.818 mL
10 mM	0.3409 mL	1.7045 mL	3.409 mL
50 mM	0.0682 mL	0.3409 mL	0.6818 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

Gale GR, et al. Effects of sodium N-methyl-N-dithiocarboxyglucamine on cadmium distribution and excretion. Life Sci. 1984 Dec 17;35(25):2571-8.

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