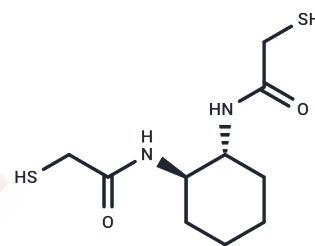


(±)-trans-1,2-Bis(2-mercaptoacetamido)cyclohexane**Chemical Properties**

CAS No. :	257641-01-3
Formula:	C10H18N2O2S2
Molecular Weight:	262.39
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	(±)-trans-1,2-Bis(2-mercaptoacetamido)cyclohexane (BMC) is a cyclohexane with two mercaptoacetamido groups. It is used, both in vitro and in vivo, to promote the correct folding of proteins that require disulfide bonds for functionality. For in vitro applications, BMC may be used to facilitate protein refolding of solubilized proteins from inclusion bodies. Reducing agents, like dithiothreitol, may interfere with refolding. BMC may also be added to the growth medium of cells, including yeast cells, to enhance the folding of proteins with disulfide bonds in vivo.
Targets(IC50)	Others,Phosphatase

Solubility Information

Solubility	DMSO:PBS (pH 7.2) (1:1): 0.5 mg/mL (1.91 mM),Sonication is recommended. DMF: 20 mg/mL (76.22 mM),Sonication is recommended. DMSO: 20 mg/mL (76.22 mM),Sonication is recommended. Ethanol: 2 mg/mL (7.62 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	3.8111 mL	19.0556 mL	38.1112 mL
5 mM	0.7622 mL	3.8111 mL	7.6222 mL
10 mM	0.3811 mL	1.9056 mL	3.8111 mL
50 mM	0.0762 mL	0.3811 mL	0.7622 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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