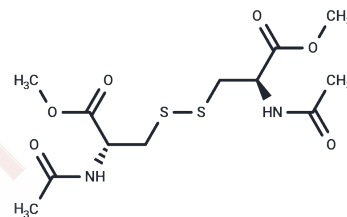


Dimethyl diacetyl cystinate

Chemical Properties

CAS No. :	32381-28-5
Formula:	C ₁₂ H ₂₀ N ₂ O ₆ S ₂
Molecular Weight:	352.43
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	Dimethyl diacetyl cystinate is a disulfide-linked L-cysteine used in proteomics research.
Targets(IC50)	Others,NF-κB,Interleukin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8374 mL	14.1872 mL	28.3744 mL
5 mM	0.5675 mL	2.8374 mL	5.6749 mL
10 mM	0.2837 mL	1.4187 mL	2.8374 mL
50 mM	0.0567 mL	0.2837 mL	0.5675 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

- Weber K, Krämer T, Shafaat HS, Weyhermüller T, Bill E, van Gastel M, Neese F, Lubitz W. A functional [NiFe]-hydrogenase model compound that undergoes biologically relevant reversible thiolate protonation. *J Am Chem Soc.* 2012 Dec 26;134(51):20745-55. doi: 10.1021/ja309563p. Epub 2012 Dec 12. PubMed PMID: 23194246.
- Lemes M, Wang F, Stern GA, Ostertag SK, Chan HM. Methylmercury and selenium speciation in different tissues of beluga whales (*Delphinapterus leucas*) from the western Canadian Arctic. *Environ Toxicol Chem.* 2011 Dec;30(12):2732-8. doi: 10.1002/etc.684. Epub 2011 Oct 14. PubMed PMID: 21953916.
- Asaduzzaman AM, Schreckenbach G. Degradation mechanism of methyl mercury selenoamino acid complexes: a computational study. *Inorg Chem.* 2011 Mar 21;50(6):2366-72. doi: 10.1021/ic1021406. Epub 2011 Feb 17. PubMed PMID: 21329340.
- Gennari M, Lanfranchi M, Cammi R, Pellinghelli MA, Marchiò L. Mononuclear and polynuclear copper(I) complexes with a new N,N',S-donor ligand and with structural analogies to the copper thionein core. *Inorg Chem.* 2007 Nov 26;46(24):10143-52. Epub 2007 Nov 1. PubMed PMID: 17973478.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481