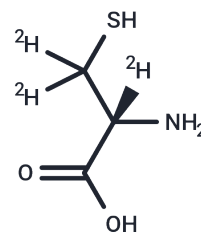


L-Cysteine-D3

Chemical Properties

CAS No. :	214782-32-8
Formula:	C3D3H4NO2S
Molecular Weight:	124.18
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	L-Cysteine-D3 is a deuterated compound of L-Cysteine. L-Cysteine (T2O2721) has a CAS number of 52-90-4. L-Cysteine (T2O2721) is a non-essential sulfur-containing amino acid in humans. L-Cysteine (T2O2721) is important for protein synthesis, detoxification, and diverse metabolic functions. Found in beta-keratin, the main protein in nails, skin, and hair, L-Cysteine (T2O2721) is important in collagen production, as well as skin elasticity and texture. Also required in the manufacture of amino acid taurine, L-Cysteine (T2O2721) is a component of the antioxidant glutathione, and plays a role in the metabolism of essential biochemicals such as coenzyme A, heparin, and biotin.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.0528 mL	40.2641 mL	80.5283 mL
5 mM	1.6106 mL	8.0528 mL	16.1057 mL
10 mM	0.8053 mL	4.0264 mL	8.0528 mL
50 mM	0.1611 mL	0.8053 mL	1.6106 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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