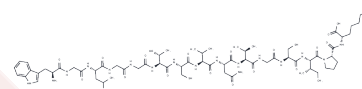


Thioredoxin reductase peptide

Chemical Properties

CAS No. :	950890-23-0
Formula:	C66H106N18O18S2
Molecular Weight:	1503.79
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Thioredoxin reductase peptide, corresponding to residues 53-67 in thioredoxin reductase (TrxR), is used in thioredoxin reductase research. Mammalian thioredoxin reductase (TR) catalyzes the reduction of the redox-active disulfide bond of thioredoxin (Trx) and is structurally and mechanistically similar to glutathione reductase, except for a C-terminal 16-amino acid extension containing a rare vicinal selenylsulfide bond.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.665 mL	3.3249 mL	6.6499 mL
5 mM	0.133 mL	0.665 mL	1.330 mL
10 mM	0.0665 mL	0.3325 mL	0.665 mL
50 mM	0.0133 mL	0.0665 mL	0.133 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

Jan YH, et al. Cross-linking of thioredoxin reductase by the sulfur mustard analogue mechlorethamine(methylbis (2-chloroethyl)amine) in human lung epithelial cells and rat lung: selective inhibition of disulfide reduction but not redox cycling. Chem Res Toxicol. 2014 Jan 21;27(1):61-75.

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