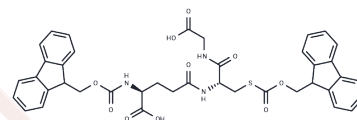


## N,S-Bis-Fmoc-Glutathione

## Chemical Properties

CAS No. :	149438-56-2
Formula:	C40H37N3O10S
Molecular Weight:	751.80
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	N,S-Bis-Fmoc-Glutathione is a potent glyoxalase II inhibitor with a $K_i$ value of 0.75 $\mu\text{M}$ and an $\text{IC}_{50}$ value of 2.5 $\mu\text{M}$ .
Targets( $\text{IC}_{50}$ )	Glyoxalase

## Solubility Information

Solubility	DMSO: 100.00 mg/mL (133.01 mM) ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3301 mL	6.6507 mL	13.3014 mL
5 mM	0.266 mL	1.3301 mL	2.6603 mL
10 mM	0.133 mL	0.6651 mL	1.3301 mL
50 mM	0.0266 mL	0.133 mL	0.266 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

Norton SJ, et al. Inhibitors and inhibition studies of mammalian glyoxalase II activity. *Biochem Soc Trans.* 1993 May;21(2):545-9.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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