

## S-D-Lactoylglutathione

## Chemical Properties

CAS No. :	41656-56-8
Formula:	C13H21N3O8S
Molecular Weight:	379.38
Storage:	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	S-D-Lactoylglutathione is a crucial intermediate metabolite in the glyoxalase (Glo) system. Acting as a "bridging molecule," it facilitates the conversion of methylglyoxal (MGO) into non-toxic D-lactate through the sequential catalytic action of Glo1 to Glo2, thereby preventing cellular damage caused by MGO accumulation.
Targets(IC50)	Drug Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6359 mL	13.1794 mL	26.3588 mL
5 mM	0.5272 mL	2.6359 mL	5.2718 mL
10 mM	0.2636 mL	1.3179 mL	2.6359 mL
50 mM	0.0527 mL	0.2636 mL	0.5272 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.

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