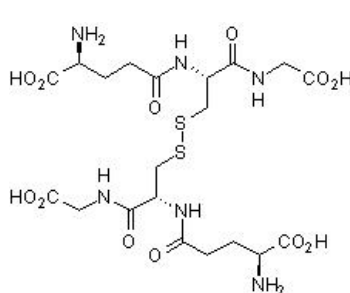


Product datasheet

Oxidized glutathione (GSSG), Hydrogen acceptor ab141393

[1 References](#) [1 Image](#)

Overview

Product name	Oxidized glutathione (GSSG), Hydrogen acceptor
Description	Hydrogen acceptor in determination of NADP and NADPH
Biological description	Hydrogen acceptor in determination of NADP and NADPH. Marker of oxidative stress. Oxidized form of GSH (ab142044). Ratio of GSSG:GSH determines redox state of cysteines in some proteins. Active <i>in vivo</i> and <i>in vitro</i> .
Purity	> 98%
CAS Number	27025-41-8
Chemical structure	

Properties

Chemical name	(2S)-2-Amino-5-[[[(2R)-3-[[[(2R)-2-[[[(4S)-4-amino-4-carboxybutanoyl]amino]-3-(carboxymethylamino)-3-oxopropyl]disulfanyl]-1-(carboxymethylamino)-1-oxopropan-2-yl]amino]-5-oxopentanoic acid
Molecular weight	612.63
Molecular formula	C ₂₀ H ₃₂ N ₆ O ₁₂ S ₂
PubChem identifier	65359
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and

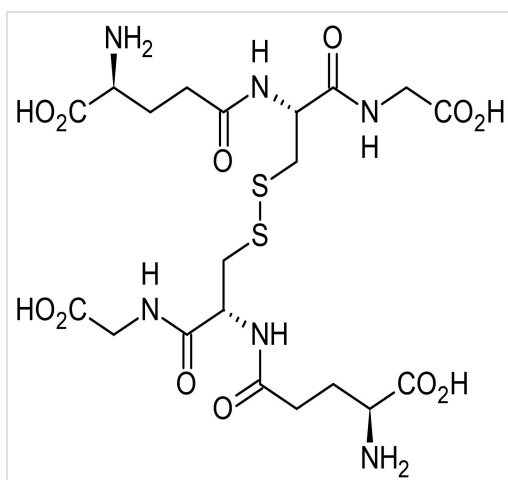
prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Refer to SDS for further information

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES	<chem>C(CC(=O)NC(CSSCC(C(=O)NCC(=O)O)NC(=O)CCC(C(=O)O)N)C(=O)NCC(=O)O)C(C(=O)O)N</chem>
Source	Synthetic

Images



2D chemical structure image of ab141393, Oxidized glutathione (GSSG), Hydrogen acceptor

Chemical Structure - Oxidized glutathione (GSSG), Hydrogen acceptor (ab141393)

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