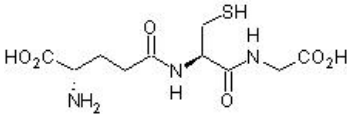


Product datasheet

Reduced Glutathione (GSH), Endogenous antioxidant ab142044

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

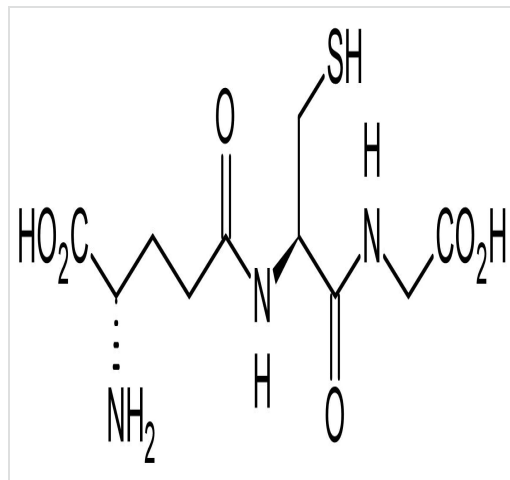
Overview

Product name	Reduced Glutathione (GSH), Endogenous antioxidant
Description	Endogenous antioxidant
Biological description	Endogenous antioxidant. Scavenger of hydroxyl radicals, reduces ROS. Forms disulfide bonds with cysteine residues of proteins. Protects against toxicity and disease. Weak inhibitor of glyoxalase I (K_i value = 18 mM). Active <i>in vivo</i> and <i>in vitro</i> .
Purity	> 99%
CAS Number	70-18-8
Chemical structure	

Properties

Molecular weight	307.32
Molecular formula	$C_{10}H_{17}N_3O_6S$
Sequence	XCG (Modifications: X-1 = Ggu)
PubChem identifier	124886
Storage instructions	Store at -20°C. It is important to note that this is air sensitive and impurities can occur as a result of air oxidation. Store under desiccating conditions.
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 week. 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. 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(CS)C(=O)NCC(=O)O)C(C(=O)O)N</chem>

Images



Chemical Structure - Reduced Glutathione (GSH),
Endogenous antioxidant (ab142044)

2D chemical structure image of ab142044, Reduced Glutathione (GSH), Endogenous antioxidant

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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