

GSNO

Chemical Properties

CAS No.:	57564-91-7
Formula:	C10H16N4O7S
Molecular Weight:	336.31
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	GSNO is an endogenous transnitrosation donor involved in S-nitrosation of a variety of cellular proteins.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.973 mL	14.867 mL	29.734 mL
5 mM	0.595 mL	2.973 mL	5.947 mL
10 mM	0.297 mL	1.487 mL	2.973 mL
50 mM	0.059 mL	0.297 mL	0.595 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Tsikas D, Schwedhelm KS, Surdacki A, Giustarini D, Rossi R, Kukoc-Modun L, Kedia G, Ückert S. S-Nitroso-N-acetyl-L-cysteine ethyl ester (SNACET) and N-acetyl-L-cysteine ethyl ester (NACET)-Cysteine-based drug candidates with unique pharmacological profiles for oral use as NO, H(2)S and GSH suppliers and as antioxidants: Results and overview. *J Pharm Anal.* 2018 Feb;8(1):1-9. doi: 10.1016/j.jpha.2017.12.003. Epub 2017 Dec 13. Review. PubMed PMID: 29568662; PubMed Central PMCID: PMC5859134.
2. Cassia R, Nocioni M, Correa-Aragunde N, Lamattina L. Climate Change and the Impact of Greenhouse Gasses: CO(2) and NO, Friends and Foes of Plant Oxidative Stress. *Front Plant Sci.* 2018 Mar 1;9:273. doi: 10.3389/fpls.2018.00273. eCollection 2018. Review. PubMed PMID: 29545820; PubMed Central PMCID: PMC5837998.
3. Khan M, Khan H, Singh I, Singh AK. Hypoxia inducible factor-1 alpha stabilization for regenerative therapy in traumatic brain injury. *Neural Regen Res.* 2017 May;12(5):696-701. doi: 10.4103/1673-5374.206632. Review. PubMed PMID: 28616019; PubMed Central PMCID: PMC5461600.
4. Barnett SD, Buxton ILO. The role of S-nitrosoglutathione reductase (GSNOR) in human disease and therapy. *Crit Rev Biochem Mol Biol.* 2017 Jun;52(3):340-354. doi: 10.1080/10409238.2017.1304353. Epub 2017 Apr 10. Review. PubMed PMID: 28393572; PubMed Central PMCID: PMC5597050.

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