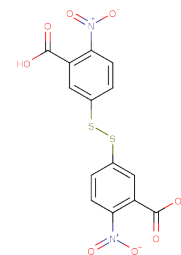


DTNB

Chemical Properties

CAS No. : 69-78-3
 Formula: C₁₄H₈N₂O₈S₂
 Molecular Weight: 396.35
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	DTNB (Ellman's Reagent) is used to quantify the number or concentration of thiol groups in a sample. It also can be used for measuring low-molecular-mass thiols such as glutathione in both pure solutions and biological samples such as blood.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 150 mg/mL (378.45 mM), (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.523 mL	12.6151 mL	25.2302 mL
5 mM	0.5046 mL	2.523 mL	5.046 mL
10 mM	0.2523 mL	1.2615 mL	2.523 mL
50 mM	0.0505 mL	0.2523 mL	0.5046 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.

Reference

Guo L, Li Y, Li W, et al. Shikonin ameliorates oxidative stress and neuroinflammation via the Akt/ERK/JNK/NF- κ B signalling pathways in a model of Parkinson's disease. Clinical and Experimental Pharmacology and Physiology.

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