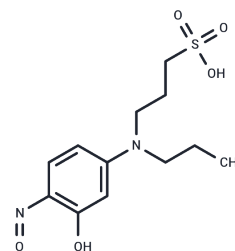


Nitroso-PSAP

Chemical Properties

CAS No. :	80459-15-0
Formula:	C ₁₂ H ₁₈ N ₂ O ₅ S
Molecular Weight:	302.35
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Nitroso-PSAP is a precise chromogenic reagent utilized for detecting iron (Fe 2+) through colorimetric analysis of blood samples post-mineralization with periodic acid. It forms a green complex with iron (Fe 2+), characterized by a maximum wavelength (λ_{max}) of 756 nm and an Epsilon value of $4.5 \times 10^4 \text{ dm}^3 \text{ mol}^{-1} \text{ cm}^{-1}$ [1] [2].
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3074 mL	16.5371 mL	33.0743 mL
5 mM	0.6615 mL	3.3074 mL	6.6149 mL
10 mM	0.3307 mL	1.6537 mL	3.3074 mL
50 mM	0.0661 mL	0.3307 mL	0.6615 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481