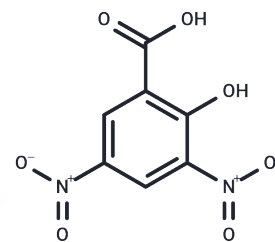


## 3,5-Dinitrosalicylic acid

## Chemical Properties

CAS No. :	609-99-4
Formula:	C7H4N2O7
Molecular Weight:	228.12
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	3,5-Dinitrosalicylic acid is a derivative of salicylic acid and inhibits pancreatic triacylglycerol lipase ( $IC_{50} = 20.4 \mu M$ ). It is a classic reagent used for the quantification of reducing sugars in biochemical research and is also widely used in the assay of enzyme activities such as $\alpha$ -amylase and cellulase.
Targets( $IC_{50}$ )	Others

## Solubility Information

Solubility	DMSO: 140 mg/mL (613.71 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3837 mL	21.9183 mL	43.8366 mL
5 mM	0.8767 mL	4.3837 mL	8.7673 mL
10 mM	0.4384 mL	2.1918 mL	4.3837 mL
50 mM	0.0877 mL	0.4384 mL	0.8767 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.

### Reference

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