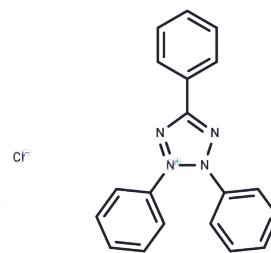


Tetrazolium Red

Chemical Properties

CAS No. :	298-96-4
Formula:	C ₁₉ H ₁₅ ClN ₄
Molecular Weight:	334.8
Storage:	Keep away from direct sunlight, Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Tetrazolium Red (2,3,5-Triphenyltetrazolium chloride) is employed to visualize dehydrogenase enzyme activity.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 252.5 mg/mL (754.18 mM), Sonication is recommended. H ₂ O: 50 mg/mL (149.34 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 1.5 mg/mL (4.48 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9869 mL	14.9343 mL	29.8686 mL
5 mM	0.5974 mL	2.9869 mL	5.9737 mL
10 mM	0.2987 mL	1.4934 mL	2.9869 mL
50 mM	0.0597 mL	0.2987 mL	0.5974 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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