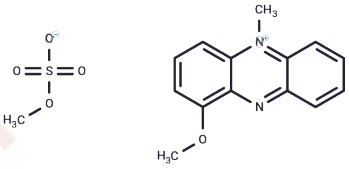
Data Sheet (Cat.No.T4172)

TargetMol

Methoxy-PMS

Chemical Properties



CAS No. : 65162-13-2

Formula: C15H16N2O5S

Molecular Weight: 336.36

Storage: Store under nitrogen
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	Methoxy-PMS (1-Methoxyphenazine methosulfate) is stable electron-transport mediator between NAD(P)H and tetrazolium dyes, can induce active oxygen formation.
Targets(IC50)	Reactive Oxygen Species,ROS

Solubility Information

Solubility	DMSO: 18 mg/mL (53.51 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.95 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.973 mL	14.865 mL	29.7301 mL
5 mM	0.5946 mL	2.973 mL	5.946 mL
10 mM	0.2973 mL	1.4865 mL	2.973 mL
50 mM	0.0595 mL	0.2973 mL	0.5946 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

De Niz M et al. Tools for mass screening of G6PD deficiency: validation of the WST8/1-methoxy-PMS enzymatic assay in Uganda. Malar J. 2013 Jun 19;12:210

Arakawa H et al. Chemiluminescence assay for tetrahydrobiopterin based on the generation of hydrogen peroxide using isoluminol-microperoxidase in the presence of 1-methoxy PMS. Luminescence. 2007 May-Jun;22(3):245-50.

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