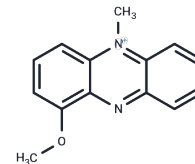
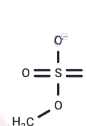


Methoxy-PMS

Chemical Properties

CAS No. :	65162-13-2
Formula:	C ₁₅ H ₁₆ N ₂ O ₅ S
Molecular Weight:	336.36
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



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

Solubility Information

Solubility	DMSO: 10 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	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.

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-micropoxidase in the presence of 1-methoxy PMS. Luminescence. 2007 May-Jun;22(3):245-50.

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