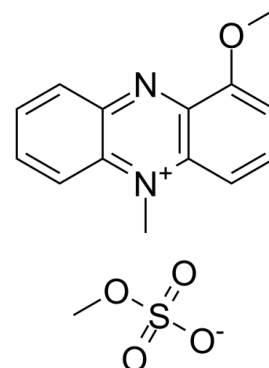


Data Sheet

Product Name:	Methoxy-PMS
Cat. No.:	CS-5925
CAS No.:	65162-13-2
Molecular Formula:	C ₁₅ H ₁₆ N ₂ O ₅ S
Molecular Weight:	336.36
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Solubility:	DMSO : 30 mg/mL (89.19 mM; Need ultrasonic and warming)



BIOLOGICAL ACTIVITY:

Methoxy-PMS (1-Methoxy PMS; 1-Methoxyphenazine methosulfate) is stable electron-transport mediator between NAD(P)H and tetrazolium dyes. Methoxy-PMS can induce active oxygen formation.

References:

[1]. 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.

[2]. 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.

CAIndexNames:

Phenazinium, 1-methoxy-5-methyl-, methyl sulfate (1:1)

SMILES:

C[N+]1=C2C=CC=CC2=NC3=C1C=CC=C3OC.O=S(OC)([O-])=O

Caution: Product has not been fully validated for medical applications. For research use only.

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