



Methoxy-PMS

Cat. No.:	OB0225WX-2031
Purity:	≥95%
Identity:	Confirmed by NMR.
Size:	5 mg; 10 mg; 100 mg; 500 mg; 1 g

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Methoxy-PMS is a stable mediator of electron transport between tetrazolium dyes and NAD(P)H that is capable of triggering the formation of active oxygen.
Synonym	1-Methoxyphenazine methosulfate; 1-Methoxy PMS; 65162-13-2; 1-Methoxy-5-methylphenazinium methyl sulfate; 1-Methoxy PMS; 1-methoxy-5-methylphenazin-5-ium methyl sulfate; 1-methoxy-5-methylphenazinium methylsulfate; MFCD00040648; 1-methoxy-5-methylphenazin-5-ium;methyl sulfate; 1-Methoxy PMS;1-Methoxyphenazine methosulfate
CAS No.	65162-13-2
Compound CID	127832
Formula	C ₁₅ H ₁₆ N ₂ O ₅ S
Formula Weight	336.36

Specification

IUPAC Name	1-Methoxy-5-methylphenazin-5-ium;methyl sulfate
InChI	InChI=1S/C14H13N2O.CH4O4S/c1-16-11-7-4-3-6-10(11)15-14-12(16)8-5-9-13(14)17-2;1-5-6(2,3)4/h3-9H,1-2H3;1H3,(H,2,3,4)/q+1;/p-1
InChI Key	MASUWVVNWALEEM-UHFFFAOYSA-M
SMILES string	C[N+]1=C2C=CC=C(C2=NC3=CC=CC=C31)OC.COS(=O)(=O)[O-]
Stability	3 years in powder form.
Storage	Storage at -20°C.

**Applications**

Methoxy-PMS is employed in biochemical assays as an electron coupling agent to investigate the detection of dehydrogenase activity through the reduction of tetrazolium salts in cell viability studies.

Library Information

Target	Reactive oxygen species
Receptor	Reactive oxygen species
Pathways	NF- κ B; Immunology/Inflammation; Metabolism
Plate Number	AOCL-27
Plate Location	a4
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO