Product Data Sheet

Product Name: Phenazine methylsulfate
Cat. No.: GC61179

Chemical Properties

Cas. No.	299-11-6		
SMILES	C[N+]1=C2C=CC=CC2=NC3=C1C=CC=C3.O=S(OC)([O-])=O		
Formula	$C_{14}H_{14}N_2O_4S$	M.Wt	306.34
Solubility	DMSO: 62.5 mg/mL (204.02 mM)	Storage	4°C, protect from light
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

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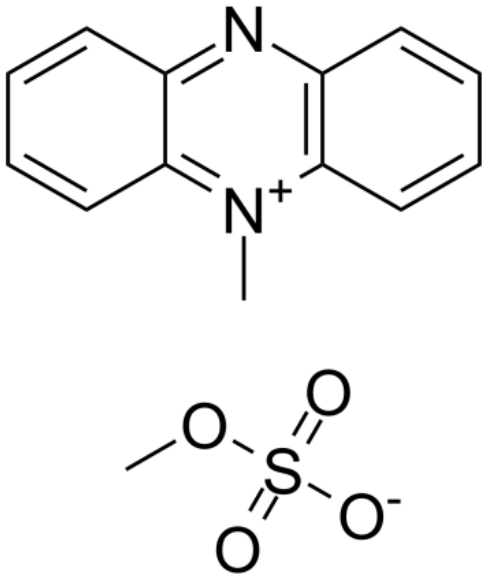
Structure



Background

Phenazine methylsulfate is a free radical generator. Phenazine methylsulfate has been used as an electron transfer reactant in cell viability assays. Phenazine methylsulfate induces ssDNA break formation in the presence of the reducing agent NADPH. Phenazine methylsulfate induces oxidative DNA damage in an alkaline comet assay and apoptosis.