

Mersalyl

Chemical Properties

CAS No. :	492-18-2
Formula:	C ₁₃ H ₁₆ HgNNaO ₆
Molecular Weight:	505.854
Storage:	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	Mersalyl is an organic mercurial diuretic.
Targets(IC50)	Others,HIF/HIF Prolyl-Hydroxylase,VEGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9769 mL	9.8844 mL	19.7687 mL
5 mM	0.3954 mL	1.9769 mL	3.9537 mL
10 mM	0.1977 mL	0.9884 mL	1.9769 mL
50 mM	0.0395 mL	0.1977 mL	0.3954 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

- Joseph SK, Ryan SV, Pierson S, Renard-Rooney D, Thomas AP. The effect of mersalyl on inositol trisphosphate receptor binding and ion channel function. *J Biol Chem.* 1995 Feb 24;270(8):3588-93. PubMed PMID: 7533153.
- García N, Martínez-Abundis E, Pavón N, Chávez E. On the opening of an insensitive cyclosporin A non-specific pore by phenylarsine plus mersalyl. *Cell Biochem Biophys.* 2007;49(2):84-90. PubMed PMID: 17906363.
- Kolbe HV, Kadenbach B. Reaction of mersalyl with mitochondrial proteins under native and denaturing conditions as exemplified by the identification and isolation of the phosphate carrier. *Hoppe Seylers Z Physiol Chem.* 1981 Dec;362(12):1583-90. PubMed PMID: 7319473.
- Agani F, Semenza GL. Mersalyl is a novel inducer of vascular endothelial growth factor gene expression and hypoxia-inducible factor 1 activity. *Mol Pharmacol.* 1998 Nov;54(5):749-54. PubMed PMID: 9804609.

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