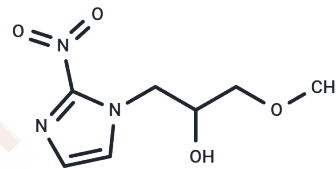


Misonidazole

Chemical Properties

CAS No. :	13551-87-6
Formula:	C7H11N3O4
Molecular Weight:	201.18
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	Misonidazole as a novel GPX inhibitors to cause oxidative stress in chemotherapy-resistant tumors.
Targets(IC50)	Antibacterial,Parasite,GPX

Solubility Information

Solubility	DMSO: 60 mg/mL (298.24 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9707 mL	24.8534 mL	49.7067 mL
5 mM	0.9941 mL	4.9707 mL	9.9413 mL
10 mM	0.4971 mL	2.4853 mL	4.9707 mL
50 mM	0.0994 mL	0.4971 mL	0.9941 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

F Wilde, Chamse Dd In C , Lemmerhirt H , et al. Evaluation of (S)- and (R)-Misonidazole as GPX Inhibitors: Synthesis, Characterization Including Circular Dichroism and In Vitro Testing on Bovine GPx-1[J]. Archiv Der Pharmazie, 2014, 347(3).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481