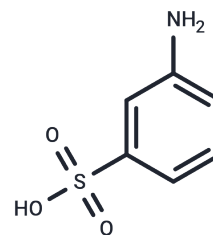


Metanilic acid

Chemical Properties

CAS No. :	121-47-1
Formula:	C ₆ H ₇ NO ₃ S
Molecular Weight:	173.19
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	Metanilic acid, an anti-cancer drug, is used to treat several malignancies including choriocarcinoma and pediatric acute lymphoblastic leukemia.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.774 mL	28.870 mL	57.7401 mL
5 mM	1.1548 mL	5.774 mL	11.548 mL
10 mM	0.5774 mL	2.887 mL	5.774 mL
50 mM	0.1155 mL	0.5774 mL	1.1548 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

Valli Nachiyar C, Vijayalakshmi K, Muralidharan D, Suseela Rajakumar G. Mineralization of metanilic acid by *Pseudomonas aeruginosa* CLRI BL22. *World J Microbiol Biotechnol.* 2007 Dec;23(12):1733-8. doi: 10.1007/s11274-007-9422-7. Epub 2007 May 18. PubMed PMID: 27517829.

Stefănescu E, Gheorghită N, Pavelescu M, Pîsaroc-Doru G. [Linkage of anthranilic and metanilic acid salts of diazonium to pyrazolones]. *Rev Med Chir Soc Med Nat Iasi.* 1985 Apr-Jun;89(2):313-5. Romanian. PubMed PMID: 3911321.

Farouk R, Gaffer HE. Simultaneous dyeing and antibacterial finishing for cotton cellulose using a new reactive dye. *Carbohydr Polym.* 2013 Aug 14;97(1):138-42. doi: 10.1016/j.carbpol.2013.04.037. Epub 2013 Apr 23. PubMed PMID: 23769529.

Rádek O, Kejha J, Němeček O, Kakác B. [Contrast media. V. Iodinated derivatives of metanilic acid]. *Cesk Farm.* 1968 Jul;17(6):272-6. Czech. PubMed PMID: 5699389.

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