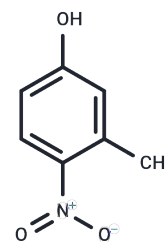


4-Nitro-3-cresol

Chemical Properties

CAS No. :	2581-34-2
Formula:	C7H7NO3
Molecular Weight:	153.14
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	4-Nitro-3-cresol exhibits ciliate toxicity against Tetrahymena pyriformis and is widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Apoptosis,Others

Solubility Information

Solubility	DMSO: 4 mg/mL (26.12 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.530 mL	32.6499 mL	65.2997 mL
5 mM	1.306 mL	6.530 mL	13.0599 mL
10 mM	0.653 mL	3.265 mL	6.530 mL
50 mM	0.1306 mL	0.653 mL	1.306 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

- Azadmehr F, et al. Fabrication of an imprinted electrochemical sensor from l-tyrosine, 3-methyl-4-nitrophenol and gold nanoparticles for quinine determination. *Bioelectrochemistry*. 2019 Jun;127:59-67.
- Han Y, et al. Toxicological effects of 3-methyl-4-nitrophenol on mouse ovarian and testicular cell proliferation, apoptosis and oocyte maturation. *Reprod Toxicol*. 2018 Dec;82:94-102.
- Takeo M, et al. Characterization of the 3-methyl-4-nitrophenol degradation pathway and genes of *Pseudomonas* sp. strain TSN1. *J Biosci Bioeng*. 2018 Sep;126(3):355-362.
- An YF, et al. The 3-methyl-4-nitrophenol (PNMC) compromises airway epithelial barrier function. *Toxicology*. 2018 Feb 15;395:9-14.

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