

5-Hydroxymebendazole

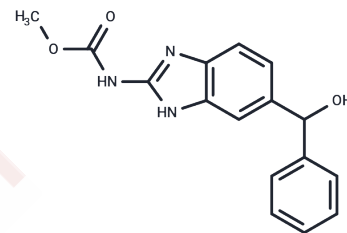
Chemical Properties

CAS No. : 60254-95-7

Formula: C₁₆H₁₅N₃O₃

Molecular Weight: 297.31

Storage: Store at low temperature, Keep away from direct sunlight, Keep away from moisture
 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	5-Hydroxymebendazole (HMBZ) is a metabolite of mebendazole. Mebendazole is a broad-spectrum antiparasitic compound.
Targets(IC50)	Parasite, Drug Metabolite

Solubility Information

Solubility	DMSO: 15 mg/mL (50.45 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3635 mL	16.8175 mL	33.6349 mL
5 mM	0.6727 mL	3.3635 mL	6.727 mL
10 mM	0.3363 mL	1.6817 mL	3.3635 mL
50 mM	0.0673 mL	0.3363 mL	0.6727 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

- Oosterhuis B, et al. Liquid chromatography with electrochemical detection for monitoring mebendazole and hydroxymebendazole in echinococcosis patients. *Ther Drug Monit.* 1984;6(2):215-20.
- De Ruyck H, et al. Development and validation of a liquid chromatography-electrospray tandem mass spectrometry method for mebendazole and its metabolites hydroxymebendazole and aminomebendazole in sheep liver. *Analyst.* 2001 Dec;126(12):2144-8.
- Gao Pengfei, et al. Determination of levamisole and mebendazole and its two metabolite residues in three poultry species by HPLC-MS/MS. *Foods* 10.11 (2021): 2841.
- Chen Lan, et al. Simultaneous determination of levamisole, mebendazole, and the two metabolite residues of mebendazole in poultry eggs by high-performance liquid chromatography-tandem mass spectrometry. *Separations* 9.4 (2022): 83.

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