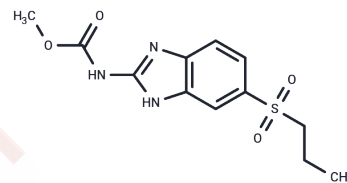


Albendazole sulfone

Chemical Properties

CAS No. :	75184-71-3
Formula:	C ₁₂ H ₁₅ N ₃ O ₄ S
Molecular Weight:	297.33
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	Albendazole sulfone is a metabolite of albendazole with antiparasitic and anthelmintic activity, exhibiting cytotoxicity against the human hepatocellular carcinoma cell line HuH-7 with a CC50 < 5 μM.
Targets(IC50)	Others,Parasite,Drug Metabolite

Solubility Information

Solubility	DMSO: 4 mg/mL (13.45 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3633 mL	16.8163 mL	33.6327 mL
5 mM	0.6727 mL	3.3633 mL	6.7265 mL
10 mM	0.3363 mL	1.6816 mL	3.3633 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

Ingold K, et, al. Efficacies of albendazole sulfoxide and albendazole sulfone against In vitro-cultivated Echinococcus multilocularis metacestodes. Antimicrob Agents Chemother. 1999 May;43(5):1052-61.

Adas G, et, al. Use of albendazole sulfoxide, albendazole sulfone, and combined solutions as scolicidal agents on hydatid cysts (in vitro study). World J Gastroenterol. 2009 Jan 7;15(1):112-6.

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