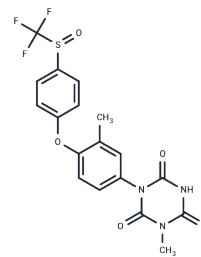


## Toltrazuril sulfoxide

## Chemical Properties

CAS No. :	69004-15-5
Formula:	C <sub>18</sub> H <sub>14</sub> F <sub>3</sub> N <sub>3</sub> O <sub>5</sub> S
Molecular Weight:	441.38
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	Toltrazuril sulfoxide is the active metabolite of toltrazuril. Toltrazuril sulfoxide belongs to the triazine class of antiparasitic drugs and inhibits the development of coccidia by interfering with mitochondrial function and mitosis. Toltrazuril sulfoxide is active against a wide range of coccidia; Toltrazuril sulfoxide is commonly used in veterinary medicine to treat coccidial infections and serves as an important tool molecule in parasitological research.
Targets(IC50)	Endogenous Metabolite,Parasite

## Solubility Information

Solubility	DMSO: 250 mg/mL (566.41 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2656 mL	11.3281 mL	22.6562 mL
5 mM	0.4531 mL	2.2656 mL	4.5312 mL
10 mM	0.2266 mL	1.1328 mL	2.2656 mL
50 mM	0.0453 mL	0.2266 mL	0.4531 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

Jong-Hwan Lim, et al. Pharmacokinetics of toltrazuril and its metabolites, toltrazuril sulfoxide and toltrazuril sulfone, after a single oral administration to pigs. J Vet Med Sci. 2010 Aug;72(8):1085-7.

H Mehlhorn, et al. Toltrazuril effective against a broad spectrum of protozoan parasites. Parasitol Res. 1988;75(1):64-6.

**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