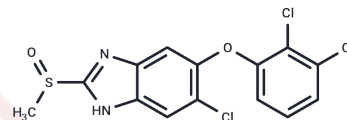


Triclabendazole sulfoxide

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 100648-13-3 |
| Formula: | C ₁₄ H ₉ Cl ₃ N ₂ O ₂ S |
| Molecular Weight: | 375.66 |
| 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 | Triclabendazole sulfoxide (TCBZ-SO), a primary plasma metabolite of Triclabendazole, inhibits the membrane transporter ABCG2/BCRP and demonstrates anti-parasite effects. |
| Targets(IC50) | BCRP,Parasite |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 70 mg/mL (186.34 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.662 mL | 13.3099 mL | 26.6198 mL |
| 5 mM | 0.5324 mL | 2.662 mL | 5.324 mL |
| 10 mM | 0.2662 mL | 1.331 mL | 2.662 mL |
| 50 mM | 0.0532 mL | 0.2662 mL | 0.5324 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

- Robinson MW, et, al. The comparative metabolism of triclabendazole sulphoxide by triclabendazole-susceptible and triclabendazole-resistant *Fasciola hepatica*. *Parasitol Res.* 2004 Feb;92(3):205-10.
- Barrera B, et, al. The anthelmintic triclabendazole and its metabolites inhibit the membrane transporter ABCG2/BCRP. *Antimicrob Agents Chemother.* 2012 Jul;56(7):3535-43.

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