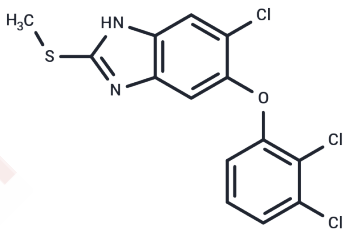
Data Sheet (Cat.No.T0838)

TargetMol

Triclabendazole

Chemical Properties



CAS No. : 68786-66-3

Formula: C14H9Cl3N2OS

Molecular Weight: 359.66

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Triclabendazole (CGA89317) has been used in trials studying Parasitic Disease.
Targets(IC50)	Microtubule Associated,Parasite
In vitro	Triclabendazole treatment produces percentage decreases of the fluke egg output by 15.3%, 4.3% and 36.6%, respectively, in sheep, dairy cows and heifers, these results indicate the presence of TCBZ-resistant Fasciola hepatica in sheep and cattle on this farm. [1] Triclabendazole sulphoxide (50 mg/mL) results in extensive damage to the tegument of triclabendazole-susceptible F. hepatica, whereas triclabendazole-resistant flukes shows only localized and relatively minor disruption of the tegument covering the spines. [2]

Solubility Information

Solubility	DMSO: 60 mg/mL (166.82 mM),Sonication is recommended. H2O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7804 mL	13.902 mL	27.804 mL
5 mM	0.5561 mL	2.7804 mL	5.5608 mL
10 mM	0.278 mL	1.3902 mL	2.7804 mL
50 mM	0.0556 mL	0.278 mL	0.5561 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.

Reference

Moll L, et al. Vet Parasitol, 2000, 91(1-2), 153-158.
Robinson MW, et al. Parasitology, 2002, 124(Pt 3), 325-338.
Fairweather I, et al. J Helminthol, 2005, 79(3), 227-234.
Hennessy DR, et al. J Vet Pharmacol Ther, 1987, 10(1), 64-72.
Coles GC, et al. J Helminthol, 1986, 60(3), 210-212.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481