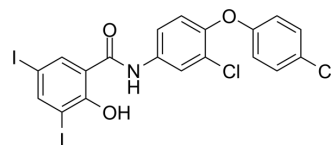


Rafoxanide

Cat. No.:	HY-17598		
CAS No.:	22662-39-1		
Molecular Formula:	C ₁₉ H ₁₁ Cl ₂ I ₂ NO ₃		
Molecular Weight:	626.01		
Target:	Parasite		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 31 mg/mL (49.52 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.5974 mL	7.9871 mL	15.9742 mL
	5 mM	0.3195 mL	1.5974 mL	3.1948 mL
	10 mM	0.1597 mL	0.7987 mL	1.5974 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (3.99 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (3.99 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Rafoxanide is an orally active salicylanilide anthelmintic agent. Rafoxanide is an antiparasitic agent and can be used for the control of infestation with Hemonchus species and Fasciola species in sheep and cattle^[1].

CUSTOMER VALIDATION

- Exp Cell Res. 2019 Dec 15;385(2):111691.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. van Wyk JA, et al. Two field strains of *Haemonchus contortus* resistant to rafoxanide. *Onderstepoort J Vet Res.* 1987 Jun;54(2):143-6.
 - [2]. Prichard RK, et al. The metabolic profile of adult *Fasciola hepatica* obtained from rafoxanide-treated sheep. *Parasitology.* 1978 Jun;76(3):277-88.
 - [3]. Cornish RA, et al. The in vivo effects of rafoxanide on the energy metabolism of *Fasciola hepatica*. *Int J Parasitol.* 1977 Jun;7(3):217-20.
 - [4]. Rafoxanide
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Caution: Product has not been fully validated for medical applications. For research use only.

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