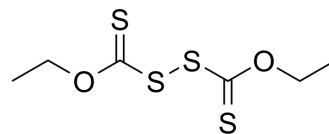


Dixanthogen

Cat. No.:	HY-B1186		
CAS No.:	502-55-6		
Molecular Formula:	C ₆ H ₁₀ O ₂ S ₄		
Molecular Weight:	242.4		
Target:	Parasite		
Pathway:	Anti-infection		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (1031.35 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.1254 mL	20.6271 mL	41.2541 mL
	5 mM	0.8251 mL	4.1254 mL	8.2508 mL
	10 mM	0.4125 mL	2.0627 mL	4.1254 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: ≥ 6.25 mg/mL (25.78 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 6.25 mg/mL (25.78 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 6.25 mg/mL (25.78 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Dixanthogen is an ectoparasiticide.

CUSTOMER VALIDATION

- Anal Lett. 15 Jan 2022.

-
- Anal Sci. 2022 Jul 7.

See more customer validations on www.MedChemExpress.com

Caution: Product has not been fully validated for medical applications. For research use only.

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