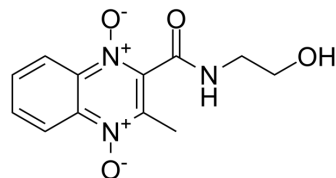


Olaquinox

Cat. No.:	HY-N0465
CAS No.:	23696-28-8
Molecular Formula:	C ₁₂ H ₁₃ N ₃ O ₄
Molecular Weight:	263.25
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (94.97 mM); ultrasonic and warming and heat to 60°C						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.7987 mL	18.9934 mL	37.9867 mL
				5 mM	0.7597 mL	3.7987 mL	7.5973 mL
				10 mM	0.3799 mL	1.8993 mL	3.7987 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (9.50 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.50 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Olaquinox, a quinoxalin derivative, is an orally active antibiotic. Olaquinox stimulates growth and decreases intestinal mucosal immunity of piglets ^[1] .
In Vivo	Olaquinox (100 mg/kg in the basal diet) improves average daily gain and feed conversion ratio (FCR) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ding MX, et al. Olaquinox and cyadox stimulate growth and decrease intestinal mucosal immunity of piglets orally inoculated with Escherichia coli. J Anim Physiol

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

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