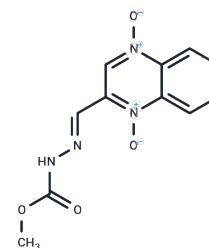


Carbadox

Chemical Properties

CAS No. :	6804-07-5
Formula:	C ₁₁ H ₁₀ N ₄ O ₄
Molecular Weight:	262.22
Storage:	Keep away from direct sunlight, Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Carbadox (Mecadox) is an antibacterial agent that has been used in veterinary practice for treating swine dysentery and enteritis and for promoting growth. However, its use has been prohibited in the UK following reports of carcinogenicity and mutagenicity.
Targets(IC50)	Endogenous Metabolite, Antibacterial, Antibiotic

Solubility Information

Solubility	DMSO: 2.63 mg/mL (10.03 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8136 mL	19.068 mL	38.1359 mL
5 mM	0.7627 mL	3.8136 mL	7.6272 mL
10 mM	0.3814 mL	1.9068 mL	3.8136 mL
50 mM	0.0763 mL	0.3814 mL	0.7627 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

Bearson BL, et al. Front Microbiol. 2014 Feb 11;5:52.

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