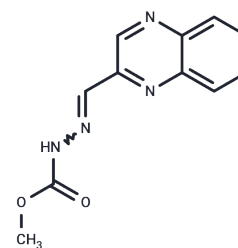


Desoxycarbadox

Chemical Properties

CAS No. :	55456-55-8
Formula:	C ₁₁ H ₁₀ N ₄ O ₂
Molecular Weight:	230.227
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Desoxycarbadox, derived from Carbadox, is a quinoxaline-di-N-oxide antibiotic compound.
Targets(IC50)	Others, Drug Metabolite
In vivo	Desoxycarbadox significantly contributes to the tumorigenic (cancer-causing) activity of carbadox in rats[3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3435 mL	21.7174 mL	43.4348 mL
5 mM	0.8687 mL	4.3435 mL	8.687 mL
10 mM	0.4343 mL	2.1717 mL	4.3435 mL
50 mM	0.0869 mL	0.4343 mL	0.8687 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

- MacIntosh AI, et al. Liquid chromatographic monitoring of the depletion of carbadox and its metabolite desoxycarbadox in swine tissues. *J Assoc Off Anal Chem.* 1985;68(4):665-671.
- Looft T, et al. Carbadox has both temporary and lasting effects on the swine gut microbiota. *Front Microbiol.* 2014; 5:276. Published 2014 Jun 10.
- Zhang K, et al. Investigation of quinocetone-induced mitochondrial damage and apoptosis in HepG2 cells and compared with its metabolites. *Environ Toxicol Pharmacol.* 2015;39(2):555-567.

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