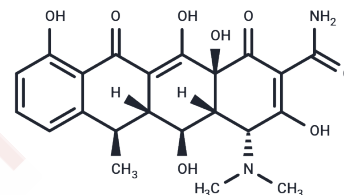


4-Epidoxycycline

Chemical Properties

CAS No. :	6543-77-7
Formula:	C ₂₂ H ₂₄ N ₂ O ₈
Molecular Weight:	444.44
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	4-Epidoxycycline is a hepatic metabolite of the antibiotic doxycycline and lacks antibiotic properties in mice. In both in vitro assays and in vivo mouse models, 4-Epidoxycycline regulates HER2 gene expression similarly to doxycycline and exhibits comparable efficacy in tumor tissues, achieving over 95% tumor regression rates.
Targets(IC50)	EGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.250 mL	11.2501 mL	22.5002 mL
5 mM	0.450 mL	2.250 mL	4.500 mL
10 mM	0.225 mL	1.125 mL	2.250 mL
50 mM	0.045 mL	0.225 mL	0.450 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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