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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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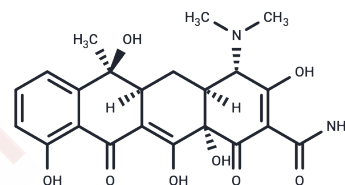
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Tetracycline

Chemical Properties

CAS No. :	60-54-8
Formula:	C ₂₂ H ₂₄ N ₂ O ₈
Molecular Weight:	444.43
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Tetracycline (Tetracyclin) is a naphthacene antibiotic that inhibits AMINO ACYL TRNA binding during protein synthesis.
Targets(IC50)	Others,ribosome,Antibacterial,Antibiotic

Solubility Information

Solubility	DMSO: 45 mg/mL (101.25 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2501 mL	11.2504 mL	22.5007 mL
5 mM	0.450 mL	2.2501 mL	4.5001 mL
10 mM	0.225 mL	1.125 mL	2.2501 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.

Reference

Khan K Y, Ali B, Zhang S, et al. Effects of antibiotics stress on growth variables, ultrastructure, and metabolite pattern of Brassica rapa ssp. Chinensis. Science of The Total Environment. 2021 Jul 15;778:146333. doi: 10.1016/j.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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