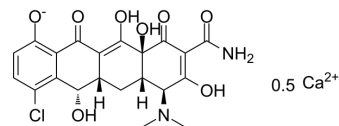


Demeclocycline calcium

Cat. No.:	HY-121268A
CAS No.:	17146-81-5
Molecular Formula:	C ₂₁ H ₂₁ ClN ₂ O ₈ ·1/2Ca ₁
Molecular Weight:	484.89
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Demeclocycline (calcium) is an orally active tetracycline antibiotic that inhibits the binding of aminoacyl tRNA by binding to the 30S ribosomal subunit, thereby affecting protein synthesis. Demeclocycline (calcium) exhibits antibacterial activity against a broad spectrum of bacterial infections^{[1][2]}.

CUSTOMER VALIDATION

- J Photoch Photobio A. 2020 May.

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REFERENCES

- [1]. I Chopra, et al. Tetracyclines, molecular and clinical aspects. J Antimicrob Chemother. 1992 Mar;29(3):245-77.
- [2]. D Schnappinger, et al. Tetracyclines: antibiotic action, uptake, and resistance mechanisms. Arch Microbiol. 1996 Jun;165(6):359-69.

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

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