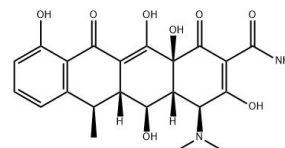


Technical Data Sheet

Doxycycline

Compound Information

Product Name:	Doxycycline
CAS No.:	564-25-0
Molecular Formula:	C ₂₂ H ₂₄ N ₂ O ₈
Molecular Weight:	444.43
Storage:	4°C, stored under argon
Revision Date:	2026-04-15



Analytical Information

Tests	Specifications
Description	Doxycycline (Vibramycin, Doxytetracycline, Doxyciclina, Doxycyclinum) is an antibiotic used to treat a variety of infections caused by bacteria and protozoa. Doxycycline is also a nonspecific matrix metalloproteinase (MMP) inhibitor.
Solubility	DMSO : 125 mg/mL (281.26 mM; Need ultrasonic)
1H NMR	Pass test

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