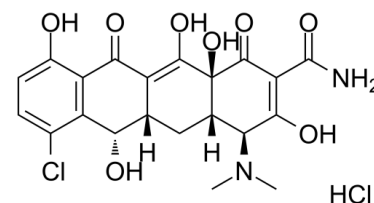


Data Sheet

Product Name:	Demeclocycline (hydrochloride)
Cat. No.:	CS-3073
CAS No.:	64-73-3
Molecular Formula:	C ₂₁ H ₂₂ Cl ₂ N ₂ O ₈
Molecular Weight:	501.31
Target:	Bacterial
Pathway:	Anti-infection
Solubility:	H ₂ O : 20 mg/mL (39.90 mM; Need ultrasonic and warming)



BIOLOGICAL ACTIVITY:

Demeclocycline hydrochloride is a tetracycline antibiotic; is an antibiotic in the treatment of Lyme disease, acne, and bronchitis.

References:

- [1]. Cherrill DA, et al. Demeclocycline treatment in the syndrome of inappropriate antidiuretic hormone secretion. Ann Intern Med. 1975 Nov;83(5):654-6.
- [2]. Singer I, et al. Demeclocycline-induced nephrogenic diabetes insipidus. In-vivo and in-vitro studies. Ann Intern Med. 1973 Nov;79(5):679-83.
- [3]. Forrest JN Jr, et al. Superiority of demeclocycline over lithium in the treatment of chronic syndrome of inappropriate secretion of antidiuretic hormone. N Engl J Med. 1978 Jan 26;298(4):173-7.

CAIndexNames:

2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-1,11-dioxo-, hydrochloride (1:1), (4S,4aS,5aS,6S,12aS)-

SMILES:

O=C(C(C1=O)=C(O)[C@@H](N(C)C)[C@]2([H])C[C@]3([H])[C@H](O)C4=C(C(C3=C(O)[C@@]21O)=O)C(O)=CC=C4Cl)N.Cl

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

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