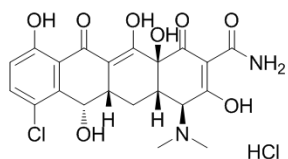


Product Name	: Demeclocycline hydrochloride	
Synonyms	: Demethylchlortetracycline; Demethyltetracycline	
Cat No.	: M15455	
CAS Number	: 64-73-3	
Molecular Formula	: C ₂₁ H ₂₂ Cl ₂ N ₂ O ₈	
Formula Weight	: 501.31	
Chemical Name	: 2-Naphthacenecarboxamide, 7-chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-1,11-dioxo-, hydrochloride (1:1), (4S,4aS,5aS,6S,12aS)-	
Description	: A tetracycline antibiotic that acts by binding to the 30S ribosomal subunit to inhibit binding of aminoacyl tRNA which impairs protein synthesis by bacteria; also inhibits the renal action of antidiuretic hormone by interfering with the intracellular second messenger cascade.	
Pathway	: GPCR/G Protein	
Target	: Antibacterial	
Receptor	: 30S ribosome	
Solubility	: 10 mM in DMSO	
SMILES	: <chem>CN(C)[C@H]1[C@@H]2C[C@@H]3[C@@H](C4=C(C=CC(=C4C(=C3C(=O)[C@@]2(C(=C(C1=O)C(=O)N)O)O)O)Cl)O.Cl</chem>	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	