

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

Clindamycin hydrochloride

Product overview

Name	Clindamycin hydrochloride
Cat No	HB4364
Purity	>98%
Description	Antibiotic. Protein synthesis inhibitor

Biological Data

Biological description	Antibiotic. Binds to the 50S bacterial ribosomal subunit to prevent early peptide chain elongation to inhibit protein synthesis.
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Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in DMSO (100 mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	Methyl-7-chloro-6,7,8-trideoxy-6-[[[(2S,4R)-1-methyl-4-propyl-2-pyrrolidinyl]carbonyl]amino]-1-thio-L-threo- α -D-galacto-octopyranoside hydrochloride
Molecular Weight	461.44
Chemical structure	
Molecular Formula	C ₁₈ H ₃₃ ClN ₂ O ₅ S.HCl
CAS Number	21462-39-5
PubChem identifier	16051951
SMILES	CCC[C@@H]1C[C@H](N(C1)C(=O)N[C@@H]([C@@H]2[C@@H]([C@@H]([C@H]([C@H](O2)SC)O)O)[C@H](C)Cl)Cl
InChiKey	AUODDLQVRAJAJM-XJQDNNTCSA-N
MDL number	MFCD07793327
Appearance	White to off-white