

Product Datasheet

Chloramphenicol (orb1309420)

Catalog Number	orb1309420
Category	Small Molecules
Description	Chloramphenicol is a broad-spectrum antibiotic that inhibits bacterial protein synthesis by targeting the 50S ribosomal subunit and blocking peptidyl transferase activity. It is widely used in molecular biology and microbiological research, both in vitro and in animal infection models, to study protein synthesis and antibiotic mechanisms.
Target	HIF/HIF Prolyl-Hydroxylase,Antibiotic,Antibacterial,Akt,VEGFR,ribosome,Apoptosis,Autophagy,JNK,MMP
Purity	99.84%
MW	323.13
Target Areas	VEGFR Autophagy Akt JNK Antibacterial MMP Antibiotic Apoptosis HIF/HIF Prolyl-Hydroxylase ribosome
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween 80+45% Saline:5 mg/mL (15.47 mM);Ethanol:60 mg/mL (185.68 mM);H2O:1 mg/mL (3.09 mM);DMSO:250 mg/mL (773.68 mM)
CAS Number	56-75-7
Formula	C ₁₁ H ₁₂ Cl ₂ N ₂ O ₅
SMILES	OCC(NC(=O)C(Cl)Cl)C(O)C1=CC=C(C=C1)[N+](=[O-])=O
Storage	keep away from direct sunlight,store under nitrogen Powder: -20°C for 3 years Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only

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Expiration Date

12 months from date of receipt.

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