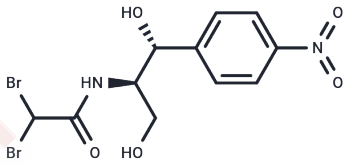
Data Sheet (Cat.No.T35651)

TargetMol

Bromamphenicol

Chemical Properties



CAS No. : 17371-30-1

Formula: C11H12Br2N2O5

Molecular Weight: 412.03

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Bromamphenicol is a dibrominated derivative of the antibiotic chloramphenicol. It inhibits rat liver mitochondrial and E. coli protein synthesis by 90.6 and 98.8%, respectively, when used at a concentration of 93 μM, and inhibits DNA synthesis in human lymphoblastoid cells by 83% at 1 mM. Bromamphenicol can also bind to the major adhesin subunit DraE from E. coli.
Targets(IC50)	Others,Antibacterial

Solubility Information

Solubility	Methanol: Soluble Ethanol: Soluble DMF: Soluble DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.427 mL	12.135 mL	24.2701 mL
5 mM	0.4854 mL	2.427 mL	4.854 mL
10 mM	0.2427 mL	1.2135 mL	2.427 mL
50 mM	0.0485 mL	0.2427 mL	0.4854 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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