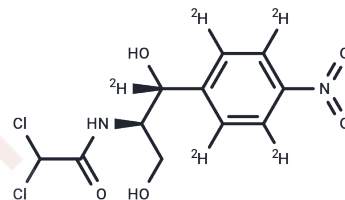


Chloramphenicol-D5

Chemical Properties

CAS No. :	202480-68-0
Formula:	C ₁₁ H ₇ D ₅ Cl ₂ N ₂ O ₅
Molecular Weight:	328.16
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	Chloramphenicol-D5 is a deuterated compound of Chloramphenicol. Chloramphenicol (T1205) has a CAS number of 56-75-7. Chloramphenicol, a broad-spectrum antibiotic, blocks bacterial protein synthesis.
Targets(IC50)	Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0473 mL	15.2365 mL	30.4729 mL
5 mM	0.6095 mL	3.0473 mL	6.0946 mL
10 mM	0.3047 mL	1.5236 mL	3.0473 mL
50 mM	0.0609 mL	0.3047 mL	0.6095 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.

Reference

Jiang W, et al. J Bacteriol, 1993, 175(18), 5824-5828.

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