Data Sheet (Cat.No.T37147)

TargetMol

5'-O-DMT-N4-Ac-dC

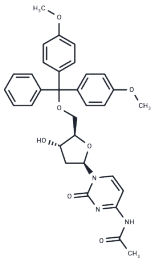
Chemical Properties

CAS No. : 100898-63-3

Formula: C32H33N3O7

Molecular Weight: 571.62

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	5'-O-DMT-N4-Ac-dC (N4-Acetyl-2'-deoxy-5'-O-DMT-cytidine, compound 7) is a deoxynucleoside used in synthesizing dodecyl phosphoramidite, a crucial precursor for dod-DNA production. Dod-DNA is amphiphilic DNA with dodecyl phosphotriester linkages, featuring an internal hydrophobic region[1][2].
Targets(IC50)	Others,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7494 mL	8.7471 mL	17.4941 mL
5 mM	0.3499 mL	1.7494 mL	3.4988 mL
10 mM	0.1749 mL	0.8747 mL	1.7494 mL
50 mM	0.035 mL	0.1749 mL	0.3499 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

Dohno C, et, al. Amphiphilic DNA Duplex Stabilized by a Hydrophobic Zipper. European Journal of Organic Chemistry. September 2012. 27: 5317-5323.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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