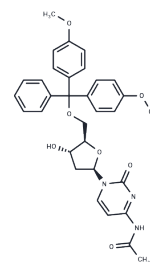


5'-O-DMT-N4-Ac-dC

Chemical Properties

CAS No. :	100898-63-3
Formula:	C32H33N3O7
Molecular Weight:	571.62
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	5'-O-DMT-N4-Ac-dC (N4-Acetyl-2'-deoxy-5'-O-DMT-cytidine, compound 7) is a deoxynucleoside utilized in the synthesis of dodecyl phosphoramidite. Dodecyl phosphoramidite serves as a crucial precursor for dod-DNA production, which is amphiphilic DNA comprising dodecyl phosphotriester linkages and featuring an internal hydrophobic region[1][2].
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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.

Reference

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

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