
Product Data Sheet

Product Name: 5'-O-DMT-N4-Ac-dC

Cat. No.: GC61726

Chemical Properties

Cas. No. 100898-63-3

SMILES O[C@@H](C[C@H](N1C(N=C(C=C1)NC(C)=O)=O)O2)[C@H]2COC(C3=CC=C(OC)C=C3)(C4=CC=C(OC)C=C4)C5=CC=CC=C5Formula C₃₂H₃₃N₃O₇ M.Wt 571.62

Solubility DMSO : 100 mg/mL (174.94 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

5'-O-DMT-N4-Ac-dC (N4-Acetyl-2'-deoxy-5'-O-DMT-cytidine, compound 7), a deoxynucleoside, can be used to synthesize of dodecyl phosphoramidite which is the raw material for dod-DNA (amphiphilic DNA containing an internal hydrophobic region consisting of dodecyl phosphotriester linkages) synthesis[1][2].

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

Caution: Product has not been fully validated for medical applications. For research use only.

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