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Produktinformation



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Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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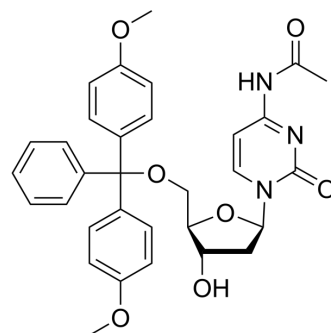
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5'-O-DMT-N4-Ac-dC

Cat. No.:	HY-W077279		
CAS No.:	100898-63-3		
Molecular Formula:	C ₃₂ H ₃₃ N ₃ O ₇		
Molecular Weight:	572		
Target:	DNA/RNA Synthesis		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (174.83 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.7483 mL	8.7413 mL	17.4825 mL
	5 mM	0.3497 mL	1.7483 mL	3.4965 mL
	10 mM	0.1748 mL	0.8741 mL	1.7483 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (4.37 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (4.37 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (4.37 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

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 dodDNA (amphiphilic DNA containing an internal hydrophobic region consisting of dodecyl phosphotriester linkages) synthesis^{[1][2]}.

REFERENCES

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

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