5'-ODMT cEt N-Bz A Phosphoramidite (Amidite)

Cat. No.: HY-148503

CAS No.: 1197033-19-4

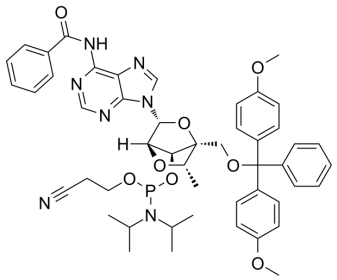
Molecular Formula: $C_{49}H_{54}N_7O_8P$

Molecular Weight: 899.97

Target: Nucleoside Antimetabolite/Analog

Pathway: Cell Cycle/DNA Damage

Storage: -20°C, stored under nitrogen, away from moisture
* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (111.11 mM; Need ultrasonic)

Preparing Stock Solutions	Concentration / Solvent / Mass	1 mg	5 mg	10 mg
	1 mM	1.1111 mL	5.5557 mL	11.1115 mL
	5 mM	0.2222 mL	1.1111 mL	2.2223 mL
	10 mM	0.1111 mL	0.5556 mL	1.1111 mL

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

BIOLOGICAL ACTIVITY

Description

5'-ODMT cEt N-Bz A Phosphoramidite Amidite is a locked nucleic acid (LNA) analogue. 5'-ODMT cEt N-Bz A Phosphoramidite Amidite possesses hybridization and mismatch discrimination attributes similar to those of LNA and shows resistance to exonuclease digestion[1].

REFERENCES

[1]. Seth PP, et al. Synthesis and biophysical evaluation of 2',4'-constrained 2'O-methoxyethyl and 2',4'-constrained 2'O-ethyl nucleic acid analogues. J Org Chem. 2010 Mar 5;75(5):1569-81.

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