5'-ODMT cEt G Phosphoramidite (Amidite)

Cat. No.: HY-148504

CAS No.: 945628-66-0

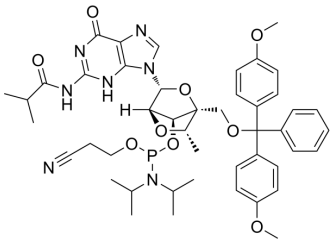
Molecular Formula: $C_{46}H_{56}N_7O_9P$

Molecular Weight: 881.95

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 (113.39 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.1339 mL	5.6693 mL	11.3385 mL
	5 mM	0.2268 mL	1.1339 mL	2.2677 mL
	10 mM	0.1134 mL	0.5669 mL	1.1339 mL

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

BIOLOGICAL ACTIVITY

Description

5'-ODMT cEt G Phosphoramidite Amidite is a potent nucleic acid analog. 5'-ODMT cEt G Phosphoramidite Amidite shows excellent safety and antisense activity[1][2].

REFERENCES

[1]. Vasquez G, et al. Site-specific incorporation of 5'-methyl DNA enhances the therapeutic profile of gapmer ASOs. Nucleic Acids Res. 2021 Feb 26;49(4):1828-1839.

[2]. 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.

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

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