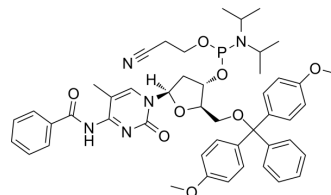


DMT-5Me-dC(Bz)-CE Phosphoramidite

Cat. No.:	HY-46317		
CAS No.:	105931-57-5		
Molecular Formula:	C ₄₇ H ₅₄ N ₅ O ₈ P		
Molecular Weight:	847.93		
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 : 250 mg/mL (294.84 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.1793 mL	5.8967 mL	11.7934 mL
5 mM	0.2359 mL	1.1793 mL	2.3587 mL
10 mM	0.1179 mL	0.5897 mL	1.1793 mL

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

BIOLOGICAL ACTIVITY

Description

DMT-5Me-dC(Bz)-CE Phosphoramidite is used in the preparation of locked nucleic acids (LNAs) for optimization of fluorescent oligonucleotide probes with improved spectral properties and target binding^[1].

REFERENCES

[1]. Irina V Astakhova, et al. LNA for optimization of fluorescent oligonucleotide probes: improved spectral properties and target binding. *Bioconjug Chem.* 2011 Apr 20;22(4):533-9.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA