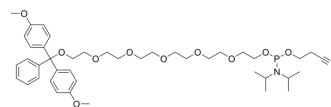


Hexaethylene glycol phosphoramidite

Cat. No.:	HY-151651		
CAS No.:	125607-09-2		
Molecular Formula:	C ₄₂ H ₆₁ N ₂ O ₁₀ P		
Molecular Weight:	784.91		
Target:	Others		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (63.70 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.2740 mL	6.3702 mL	12.7403 mL
5 mM	0.2548 mL	1.2740 mL	2.5481 mL
10 mM	0.1274 mL	0.6370 mL	1.2740 mL

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

BIOLOGICAL ACTIVITY

Description

Hexaethylene glycol phosphoramidite (Spacer Phosphoramidite 18) is an amidite reagent for oligonucleotide synthesis. Hexaethylene glycol phosphoramidite can be used as a linker in synthesis of nucleotide chain and qPCR probes^{[1][2]}.

REFERENCES

[1]. Longcheng Li, Moorim KANG. Multi-valent oligonucleotide agent and methods of use thereof. WO2022166849A1

[2]. Schaudy E, Lietard J, Somoza MM. Sequence Preference and Initiator Promiscuity for De Novo DNA Synthesis by Terminal Deoxynucleotidyl Transferase. ACS Synth Biol. 2021 Jul 16;10(7):1750-1760.

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

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