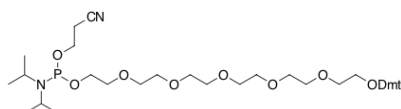


Hexaethylene glycol phosphoramidite

<http://www.lumiprobe.com/p/hexaethyleneglycol-phosphoramidite-spacer-c18>

Spacer phosphoramidite 18 (hexaethylene glycol phosphoramidite) is an amidite reagent for oligonucleotide synthesis. It provides a long hydrophilic linker that can be used for the synthesis of Scorpion-type qPCR probes, for spacing biotin from oligo strand, and for other applications requiring spatial separation of modifier and oligo.



Structure of Spacer 18 (hexaethyleneglycol) phosphoramidite

General properties

Appearance:	colorless/yellowish oil
Molecular weight:	784.92
CAS number:	125607-09-2
Molecular formula:	$C_{42}H_{61}N_2O_{10}P$
Solubility:	good in most organic solvents
Quality control:	NMR 1H , ^{31}P , HPLC-MS (95%), testing in oligo synthesis
Storage conditions:	Storage: 12 months after receipt at $-20^\circ C$ in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Oligo synthesis details

Diluent:	acetonitrile
Coupling conditions:	standard coupling, identical to normal nucleobases
Deprotection conditions:	identical to protected nucleobases