

Lumiprobe Corporation

201 International Circle, Suite 135 Hunt Valley, Maryland 21030

USA

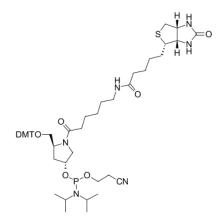
Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

Biotin phosphoramidite (hydroxyprolinol)

http://www.lumiprobe.com/p/biotin-phosphoramidite-pro

Non-nucleosidic modifier reagent for the synthesis of biotinylated oligos based on a hydroxyprolinol core. This phosphoramidite contains a dimethoxytrityl protective group for the purification of the resulting oligos on C_{18} cartridges, and reverse phase HPLC. This modifier reagent can be used to introduce biotin onto 5'-position, 3'-position (using universal CPG), and internal oligo sites.

This amidite does not require special condensation and deprotection conditions.



Structure of biotin phosphoramidite

General properties

Appearance: white powder

Molecular weight: 959.18

Molecular formula: $C_{51}H_{71}N_6O_8PS$

Solubility: good in MeCN, DCM, THF

Quality control: NMR ¹H, ³¹P, HPLC-MS (95%), functional testing in oligo synthesis

Storage conditions: Storage: 12 months after receival at -20°C in the dark. Transportation: at room temperature for up

to 3 weeks. 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