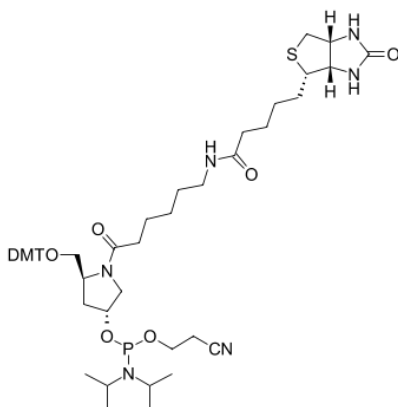


Biotin phosphoramidite (hydroxyprolinol)

<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 C₁₈ 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 ₆ O ₈ PS |
| Solubility: | good in MeCN, DCM, THF |
| Quality control: | NMR ¹ H, ³¹ P, HPLC-MS (95%), functional testing in oligo synthesis |
| Storage conditions: | Storage: 12 months after receipt 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 |