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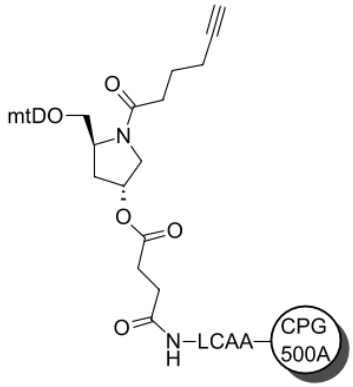
Alkyne CPG modifier 500

http://www.lumiprobe.com/p/alkyne-cpg-modifier-500

High loading controlled pore glass solid support for the synthesis of oligonucleotides with 3'-alkyne group. With this solid support, synthesis of oligos of up to 50 bases is possible.

Terminal alkyne group can be modified by copper catalyzed Click chemistry (see our recommended protocol for oligonucleotide modification).

This solid support is compatible with standard oligonucleotide deblocking conditions. No special deblocking is required.



Alkyne CPG modifier controlled pore glass structure

General properties

Appearance:	off-white beads
Quality control:	NMR ^{1}H and HPLC (95%) of bound reagent, loading measurement
Storage conditions:	Storage: 24 months after receival at -20°C. 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

Pore size, Å:	500
Typical loading, umol/g:	70−90
Coupling conditions:	standard coupling, identical to normal nucleobases
Cleavage conditions:	ammonia, 2 h at room temperature
Deprotection conditions:	identical to protected nucleobases