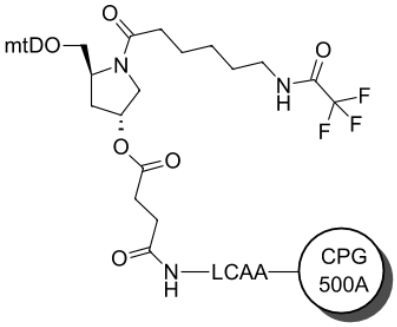
Lumiprobe Corporation
201 International Circle, Suite 135
Hunt Valley, Maryland 21030
USA
Phone: +1 888 973 6353
Fax: +1 888 973 6354
Email: order@lumiprobe.com

TFA-amino modifier CPG 500

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

This high load, 500 Å controlled pore glass solid support is designed for the synthesis of oligonucleotides containing up to 50 bases with a 3'-amino group. Amino group is protected with trifluoroacetyl (TFA) protection which is easily removed under standard deblock conditions.

The reagent is based on hydroxyprolinol core - a universal non-nucleoside structure that is naturally 100% chiral (no isomers formed upon condensation), and stable to all conditions of oligonucleotide synthesis and deblock.



TFA-Amino modifier CPG 500

General properties

Appearance:	off-white beads
Quality control:	NMR ^{1}H and HPLC-MS (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.

Oligo synthesis details

Pore size, Å:	500
Typical loading, umol/g:	50−80
Coupling conditions:	standard coupling, identical to normal nucleobases
Cleavage conditions:	ammonia, 2 h at room temperature
Deprotection conditions:	identical to protected nucleobases