Category

Peptide Chemistry

Key words

2-chloro-4,6-bis[(heptadecafluorononyl)oxy]-1,3,5-triazine

peptide synthesis

fluorous coupling reagents

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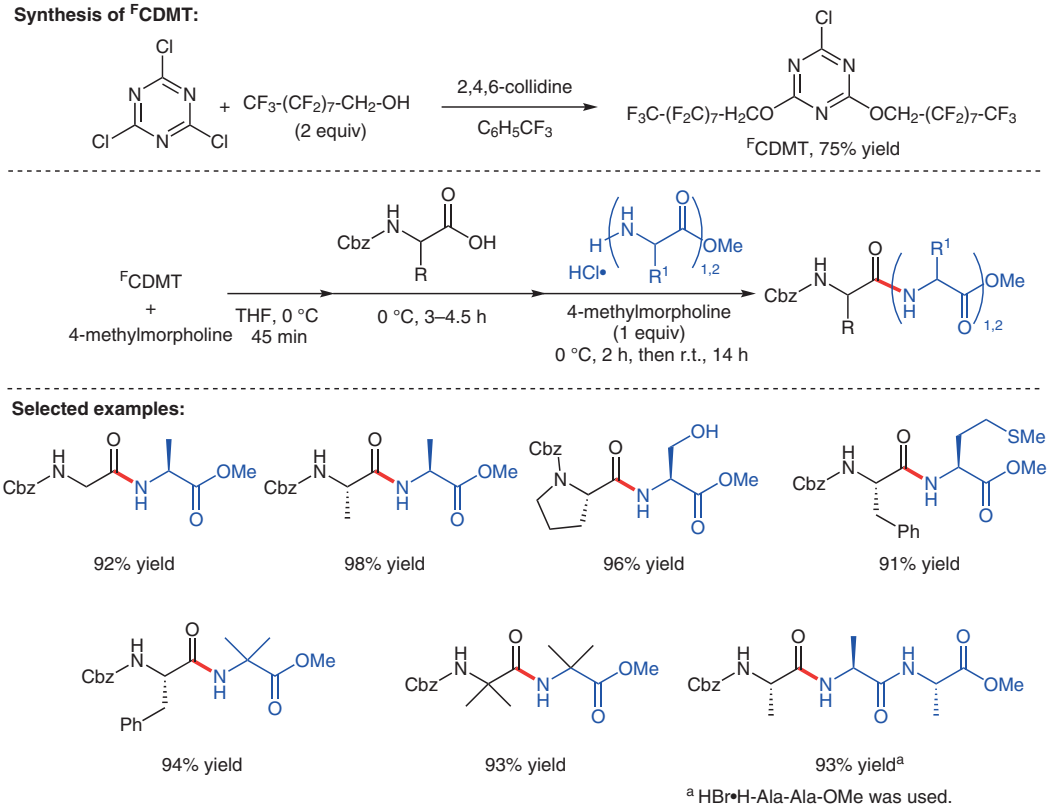
Fluorous Coupling Reagents: Application of 2-Chloro-4,6-bis[(heptadecafluorononyl)oxy]-1,3,5-triazine in Peptide Synthesis
Synthesis **2004**, 80–86, DOI: 10.1055/s-2003-42492.

^{F}CDMT-Mediated Peptide Synthesis



Significance: Development of eco-friendly, cost-effective, and practically easy coupling reagents for peptide synthesis is a highly demanding area of peptide drugs discovery. In this study, the authors invented 2-chloro-4,6-bis[(heptadecafluorononyl)oxy]-1,3,5-triazine as an efficient coupling reagent for the synthesis of various peptides.

Comment: Various peptides were synthesized by the coupling between *N*-benzyloxycarbonyl amino acids and amino acid methyl esters with the help of 2-chloro-4,6-bis[(heptadecafluorononyl)oxy]-1,3,5-triazine. The protocol is practically simple and suitable for the synthesis of peptides having sterically hindered α,α-disubstituted amino acids.

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