

Festphasensynthese von Muramyldipeptiden an isomeren Trialkoxybenzylamin-Harzen

Solid Phase Synthesis of Muramyl Dipeptides on Isomeric
Trialkoxybenzylamine Resins

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New isomeric trialkoxybenzylamine resins are developed coupling phthalimidomethyl-3,5-dimethoxyphenols to the Merrifield resin, followed by subsequent treatment with hydrazine. The generated benzylamine function allows DCC coupling with the carboxyl function of amino acids and peptides which are removed as amides after treatment with trifluoroacetic acid. These new trialkoxybenzylamine resins allow expeditious syntheses of peptide amides and glycopeptide amides as is demonstrated for muramyl peptides and analogues.

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