N-Methyl Amino Acids

Introduction

N-Methylation of peptides is a strategy for enhancement of their peptidase resistance. Methylated residues are widely present in natural products such as dactinomycin and cyclosporine, which are used as chemotherapy agents.¹ In recent years, numerous projects have included methylation of peptide backbone in the process of optimization of peptide therapeutics.² The use of *N*-methyl amino acids in peptide synthesis has been recently optimized in several works enabling the routine use of Fmoc-/Boc-building blocks in parallel synthesis of cyclic peptides.^{3,4}





References

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