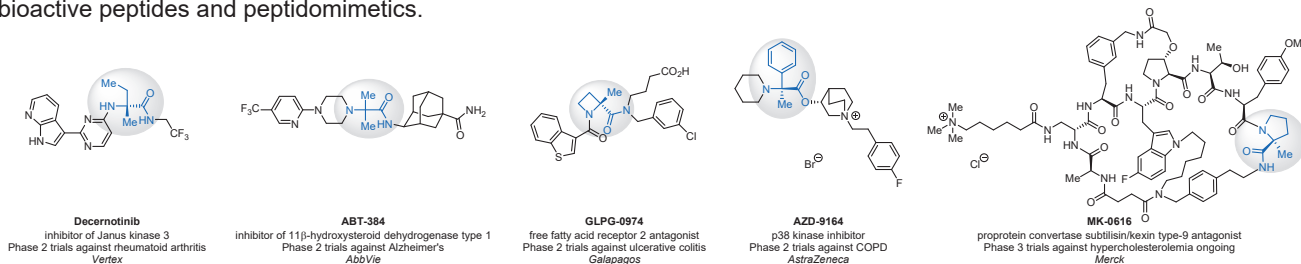


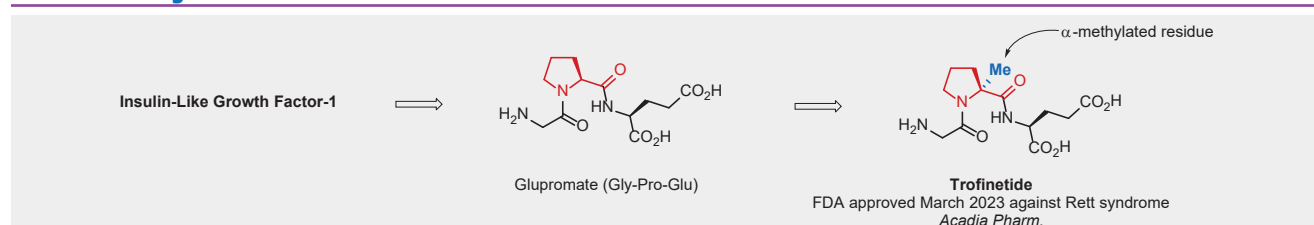
α -Methyl Amino Acids

Introduction

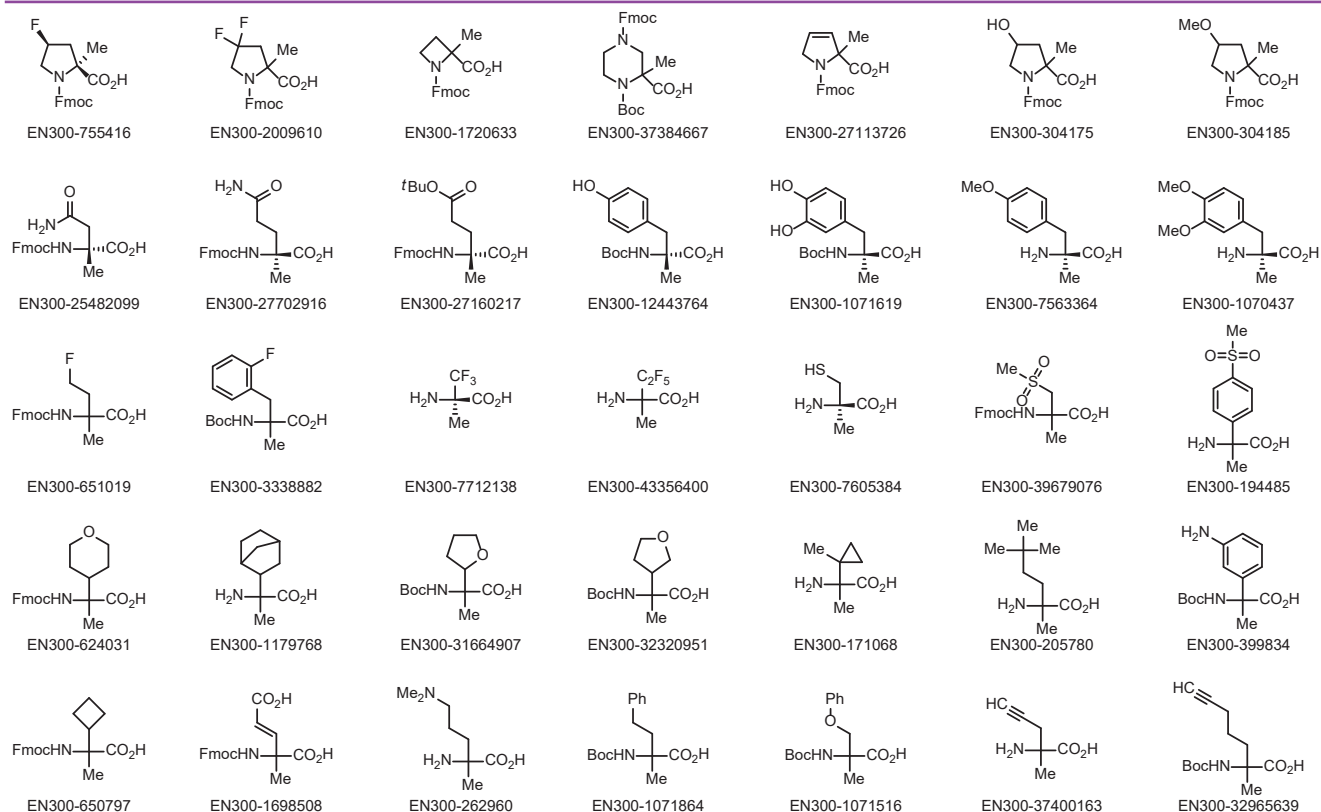
α -Methylated amino acid residues help suppress peptide bond cleavage, reduce the conformational variability of peptides upon binding to their targets, and stabilize structures that would otherwise be labile due to α -proton abstraction. This modification is extremely useful in drug design. For example, trofinetide is a short neuroprotective peptide recently approved for the treatment of Rett syndrome. The molecule is a derivative of the short tripeptide Gly-Pro-Glu, developed by simple α -methylation of the central residue. Enamine offers a wide range of α -methylated amino acid structures for constructing bioactive peptides and peptidomimetics.



Case study



We offer: over 100 α -methyl amino acids from stock on 5-10 gram scale.



References

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