Amino acids

U 0400

36- 192

DOI: 10.1002/chin.201036192

A Simple Synthesis of N^B-Fmoc/Z-Amino Alkyl Thiols and Their Use in the Synthesis of N^B-Fmoc/Z-Amino Alkyl Sulfonic Acids. — Starting from N-protected aminoalkyl iodides and thiourea, an efficient synthesis of the corresponding thiols proceeds via isothiuronium salts. Oxidation to N-protected taurines is achieved with performic acid, generated in situ. The latter are suitable synthons in the preparation of dipeptidosulfonamides. — (SURESHBABU*, V. V.; VISHWANATHA, T. M.; VASANTHA, B.; Synlett 2010, 7, 1037-1042, DOI:10.1055/s-0029-1219584; Dep. Stud. Chem., Cent. Coll., Bangalore Univ., Bangalore 560 001, India; Eng.) — Mais

A): acetone, 60°C, [8–10 h]

B): Na₂S₂O₅, CH₂Cl₂/H₂O (5:1), refluxC): HCOOH, 30% aq. H₂O₂, neat, 0 → 25°C, [24 h]