

The Deprotection of Boc-Lysine

In this part we choose TEA (Trifluoroacetate) to realize the deprotection of Boc-Lysine.

1. Add Tert-Butoxycarbonylaminoacetic acid (boc-lys, 4g) to a mixed solution of trifluoroacetic acid (5ml) and dichloromethane (10ml).
2. Stir the solution for 1 hour under a room temperature till the reaction was terminated.
3. Evaporate impurities under rotation conditions.
4. Dissolve the remaining material in an appropriate amount of ethyl acetate (5 ml), washed with 5% Na_2CO_3 (25-30 ml) solution to pH 8-9.

Remove the solvent by rotary evaporation to get the lysine.