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Abstract

The selective deprotection of several *N*-Bzl amino derivatives to the corresponding amines and the removal of *S*-Bzl and *O*-Bzl groups from the protected amino acids with ammonium formate and commercial zinc dust are reported. Many other reducible or hydrogenolysable substituents such as halogens, methoxy, phenol, ester, acid, ethene, and Boc groups are unaffected.

Keywords: Catalytic transfer hydrogenation, Ammonium formate, Zinc dust, Protected derivatives, Deprotection, Microwave irradiation

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