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Reduction of amide carbonyl group and formation of modified amino acids and dipeptides

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Tetrahedron

Graphical Abstract

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$$R^{1} = \frac{1}{R^{2}} R^{1} = \frac{1}{\text{Et}_{2}\text{O, r.t., 10-20 min}} R^{1} = \frac{1}{R^{2}} R^{2} = \frac{R^{1} = \text{alkyl, aryl, Na-Boc-amino acid, R}^{2}}{R^{2} = \text{H, R}^{3} = \text{alkyl}} R^{2} = \frac{R^{1} = \text{alkyl, aryl, Na-Boc-amino acid, R}^{2}}{R^{2} = \text{H, R}^{3} = \text{alkyl}}$$

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