

rearrangements

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Smiles Rearrangement as a Tool for the Preparation of 5-[(2-Hydroxyacyl)amino]-2,4,6-triiodo-1,3-benzenedicarboxamides: Main Pathway and Side Reactions.

— In the presence of NaOMe primary amides like (I) give title compounds in good yield, but with NaOH extensive hydrolysis of the CONH₂ group is observed. The amides (IVa)–(IVc) afford the title compounds in good yields using both methods. However, with NaOMe longer reaction times lead to formation of side products resulting from cyclization and double Smiles rearrangement. The amide (IVe) only gives small amounts of the title compound (Ve), while the analogue (IVd) does not yield compound (Vd). — (ANELLI, P. L.; BROCCHETTA, M.; CALABI, L.; SECCHI, C.; UGGERI, F.; VERONA, S.; *Tetrahedron* 53 (1997) 34, 11919-11928; Res. Dev. Div., Bracco SpA, 20134 Milano, Italy; EN)

