

عنوان مقاله:

Selective trimethylsilylation of alcohols and phenols with hexamethyldisilazane catalyzed by LaCoO₃ perovskite

محل انتشار:

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خلاصه مقاله:

Trimethylsilylation of alcohols and phenols were carried out under solvent-free conditions with hexamethyldisilazane (HMDS) using LaCoO₃ perovskite. LaCoO₃ as an efficient catalyst accelerated this reaction under milder condition. The advantages of this method are evident regarding, easy separation, low cost and low catalyst loading, lack of pollution, easy work-up, and selective protection of primary and secondary alcohols.

کلمات کلیدی:

Protection, trimethylsilylation, trimethylsilyl ether, hexamethyldisilazane, heterogeneous catalyst

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