

Oxazine derivatives

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[HCo(CO)₄]-Catalyzed Three-Component Cycloaddition of Epoxides, Imines, and Carbon Monoxide: Facile Construction of 1,3-Oxazinan-4-ones. —

An efficient three-component reaction of imines, epoxides and carbon monoxide is developed using HCo(CO)₄ as in situ generated catalyst from Ph₃Si-Co(CO)₄ and MeOH. A range of 1,3-oxazine-4-ones with different substitution patterns is obtained in good yields. — (LIU, L.; SUN*, H.; Angew. Chem., Int. Ed. 53 (2014) 37, 9865-9869, <http://dx.doi.org/10.1002/anie.201403998>; Dep. Chem., Nankai Univ., Tianjin 300071, Peop. Rep. China; Eng.) — Mais

