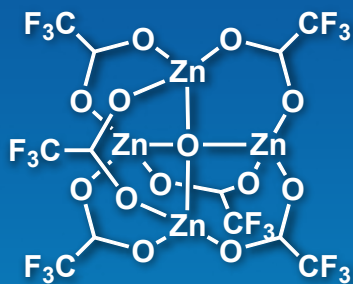


Tetranuclear Zinc Cluster Catalyst Usable for Transesterification ZnTAC24[®]



$(CF_3CO_2H)_n$ (n=0-1)

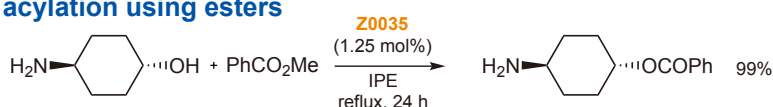
[Z0035]

Advantages

- Catalyze alcoholic-hydroxy-group selective transesterification in amino alcohols
- Reaction proceeds under mild conditions without acids
- Applicable to C=O bond activation of CO₂

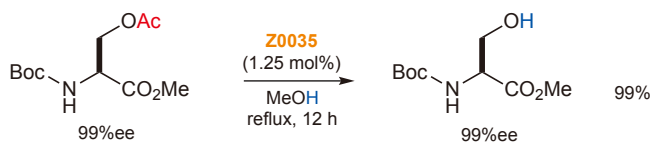
Applications

Functional-group selective acylation using esters



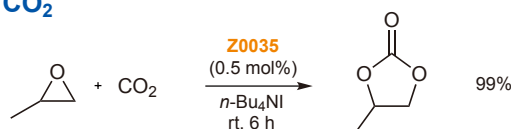
T. Ohshima, T. Iwasaki, Y. Maegawa, A. Yoshiyama, K. Mashima, *J. Am. Chem. Soc.* **2008**, 130, 2944.

Deacetylation of acetic esters



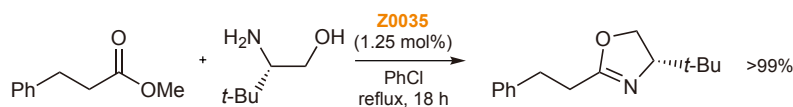
T. Iwasaki, K. Agura, Y. Maegawa, Y. Hayashi, T. Ohshima, K. Mashima, *Chem. Eur. J.* **2010**, 16, 11567.

C=O bond activation/cycloaddition of CO₂



Y. Yang, Y. Hayashi, Y. Fujii, T. Nagano, Y. Kita, T. Ohshima, J. Okuda, K. Mashima, *Catal. Sci. Technol.* **2012**, 509.

Oxazolinization of esters



T. Ohshima, T. Iwasaki, K. Mashima, *Chem. Commun.* **2006**, 2711.

Z0035 ZnTAC24[®]

1g / 5g

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