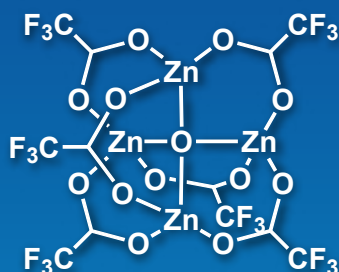


Tetranuclear Zinc Cluster Catalyst Usable for Transesterification ZnTAC24[®]



$(\text{CF}_3\text{CO}_2\text{H})_n$ ($n=0-1$)

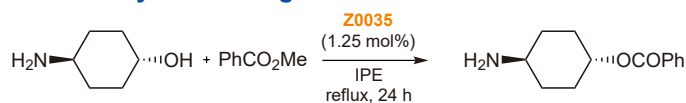
ZnTAC24[®]
1g / 5g
[Z0035]

Advantages

- Catalyzes alcoholic-hydroxy-group selective transesterification in amino alcohols
- Enables the reactions under mild conditions without acids
- Applicable to C=O bond activation of CO₂

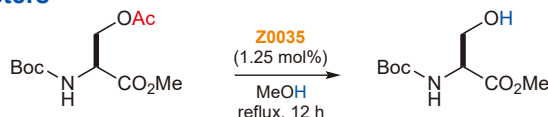
Applications

Functional-group selective acylation using esters



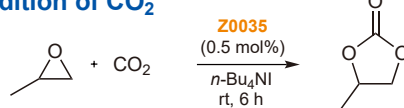
References T. Ohshima et al., *J. Am. Chem. Soc.* **2008**, 130, 2944. <https://doi.org/10.1021/ja711349r>

Deacetylation of acetic esters



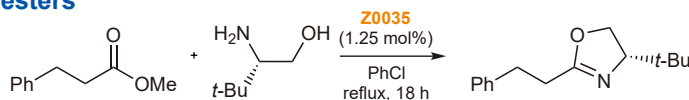
References T. Iwasakia et al., *Chem. Eur. J.* **2010**, 16, 11567. <https://doi.org/10.1002/chem.201000960>

C=O bond activation/cycloaddition of CO₂



References Y. Yang et al., *Catal. Sci. Technol.* **2012**, 509. <https://doi.org/10.1039/C1CY00404B>

Oxazolinization of esters



References T. Ohshima et al., *Chem. Commun.* **2006**, 2711. <https://doi.org/10.1039/B605066B>

This product has been commercialized with the cooperation and help from TAKASAGO INTERNATIONAL CORPORATION. ZnTAC24[®] is a registered trademark of TAKASAGO INTERNATIONAL CORPORATION.

For further information please refer to our website at www.TCIchemicals.com.

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