

Tetrahedron: Asymmetry Vol. 19, No. 21, 2008

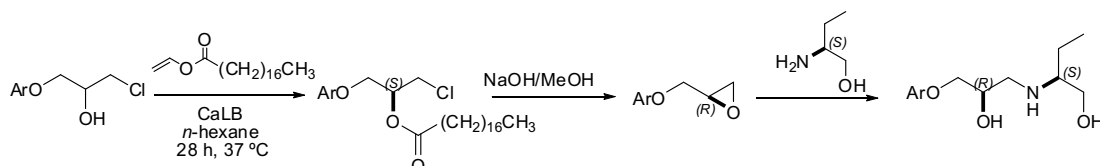
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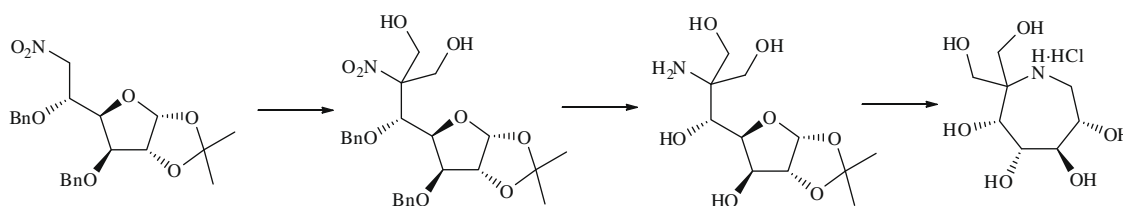
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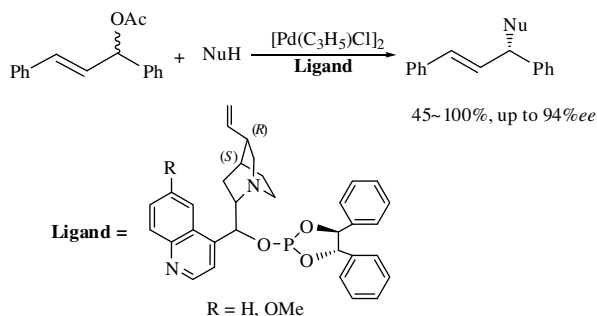
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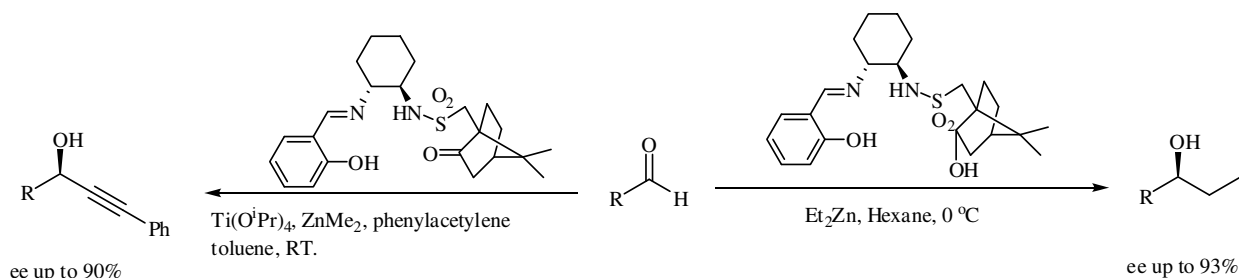
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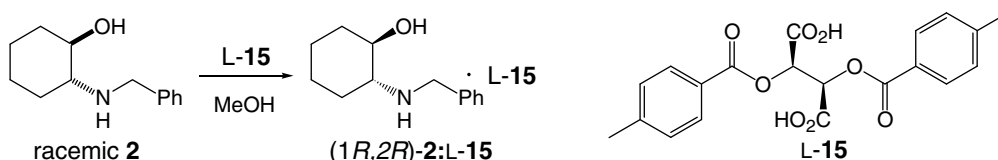
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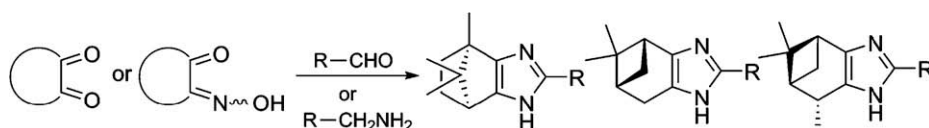
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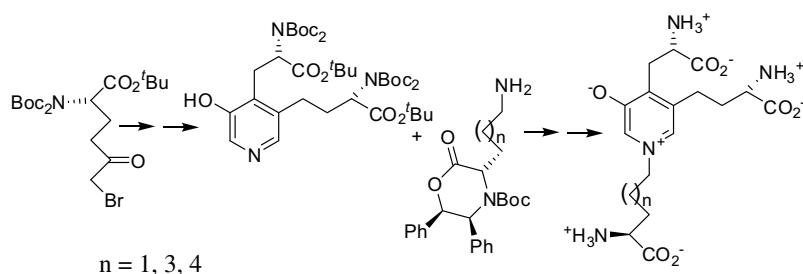
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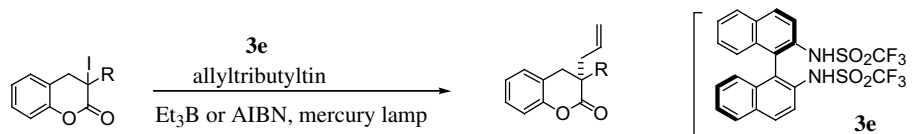


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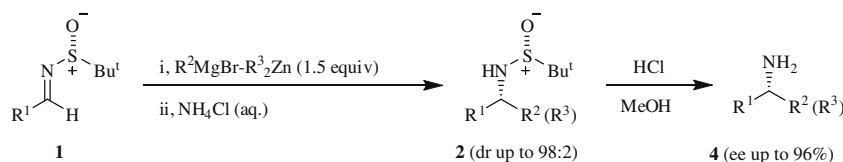


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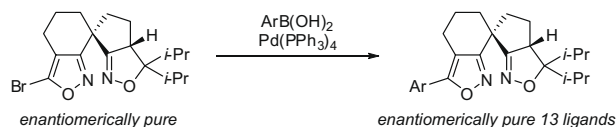
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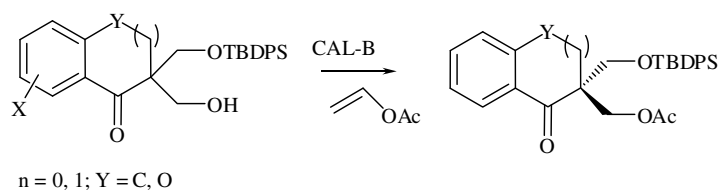
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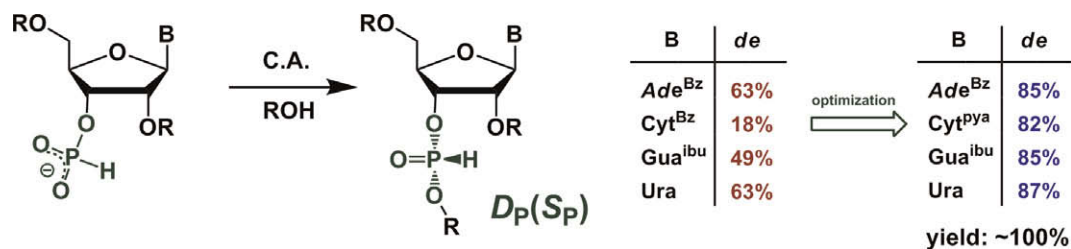
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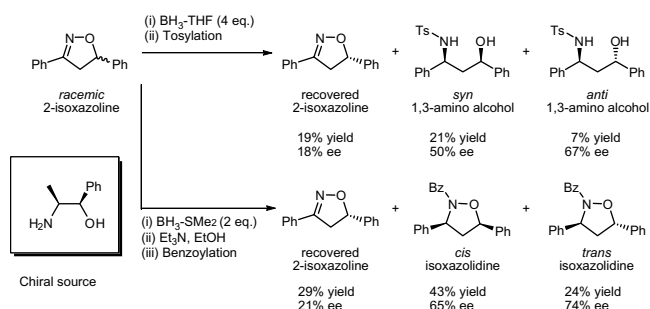
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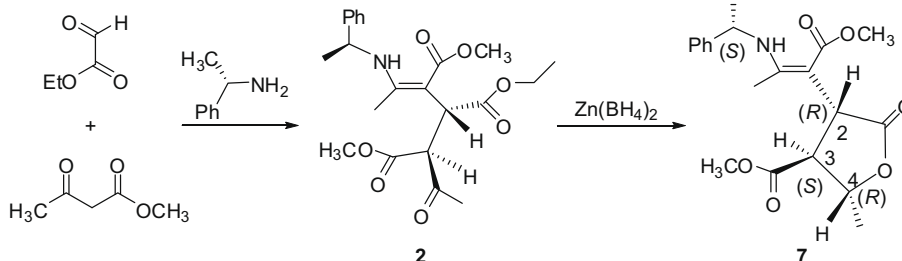
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A domino reaction of a β -ketoester, phenylethylamine and ethyl glyoxylate: leading to chiral tricarboxylate containing multiple stereocenters

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Xiaoguang Huang, Xueming Chen, Yunyun Chen, Aiqin Zhang, Xingshu Li*

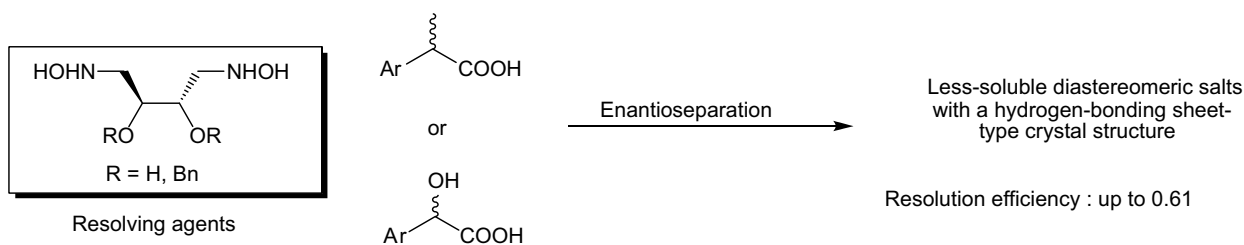


A new type of chiral tricarboxylate containing multiple stereocenters was synthesized via the one-pot reaction of β -ketoester, (*S*)-phenylethylamine, and ethyl glyoxylate under very mild reaction conditions. The reaction of compound **2** with $\text{Zn}(\text{BH}_4)_2$ provides γ -lactone **7** up to 92:8 dr.

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ISSN 0957-4166