

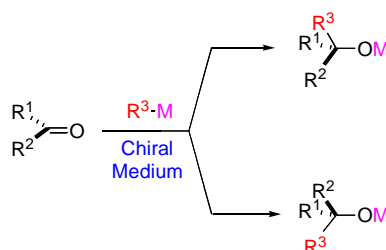
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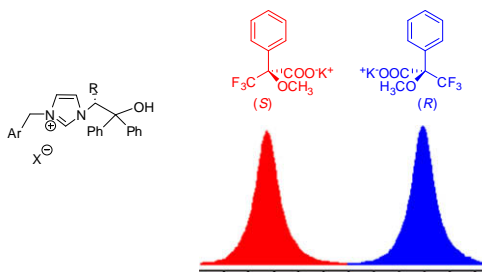
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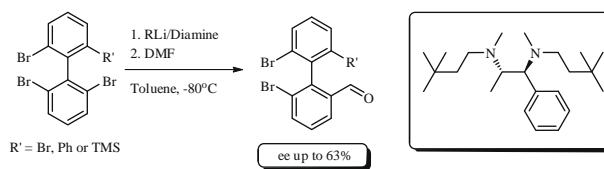
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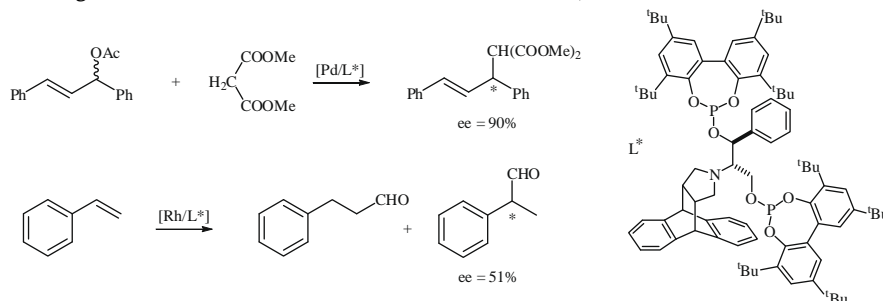
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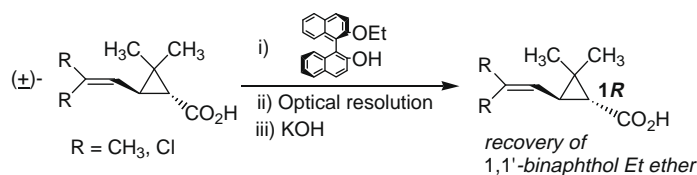
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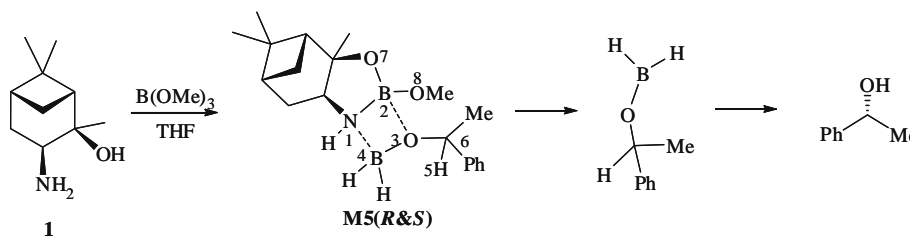
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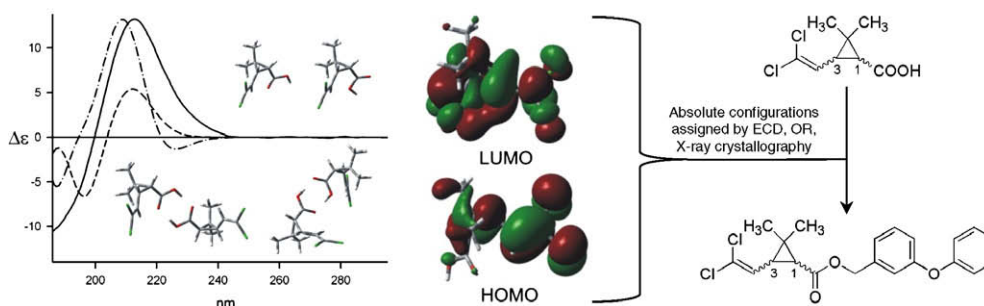
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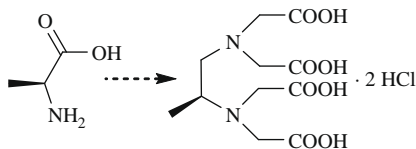


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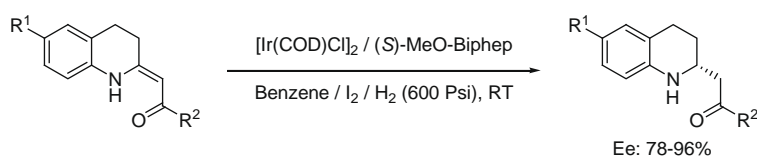


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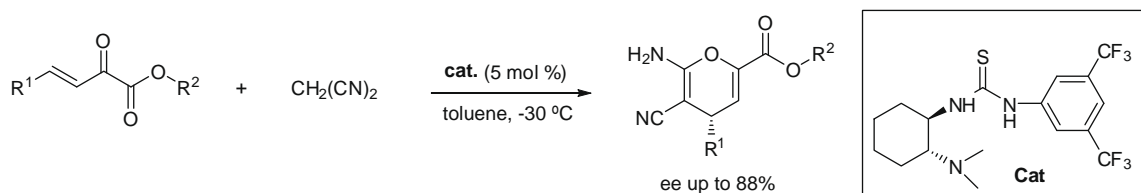
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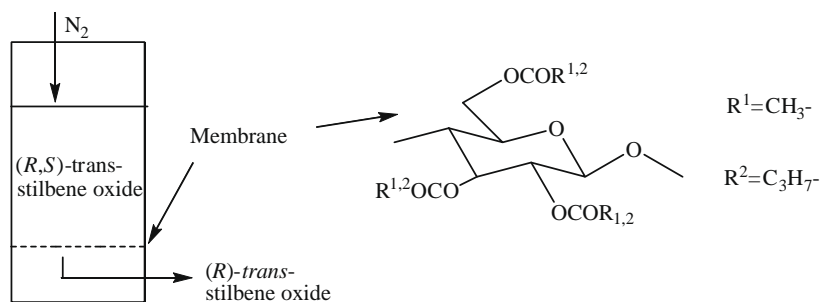
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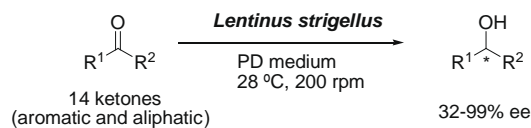
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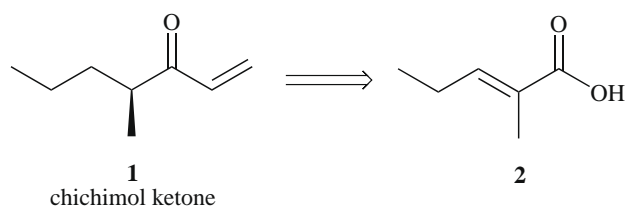
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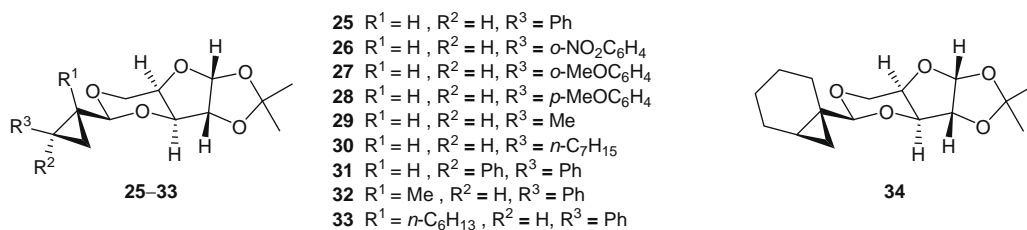
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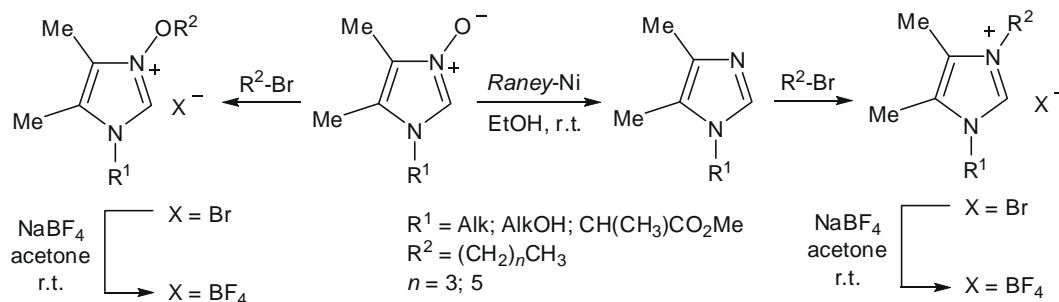
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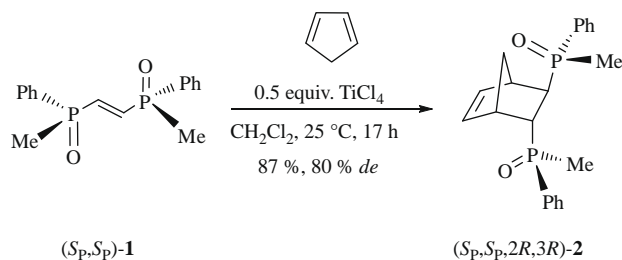
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Grzegorz Młostoń, Jarosław Romański, Marcin Jasiński^{*}, Heinz Heimgartner^{*}

Asymmetric Diels–Alder cycloaddition of a di-*P*-stereogenic dienophile with cyclopentadiene

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Nikolai Vinokurov, K. Michal Pietrusiewicz, Holger Butenschön *

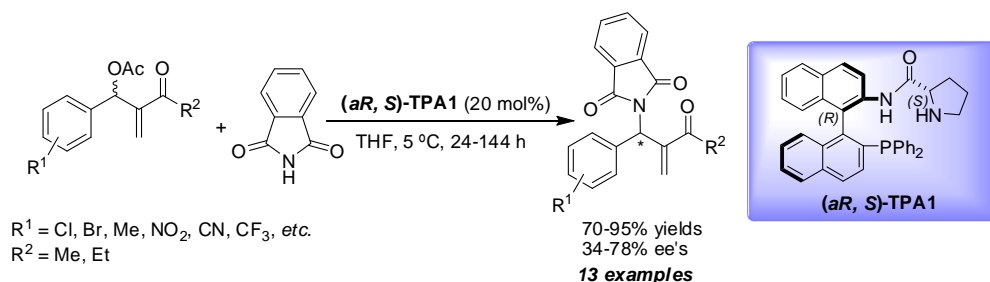


The asymmetric Diels–Alder cycloaddition of the enantiopure di-*P*-stereogenic dienophile (S_p,S_p) -1 in the presence of 0.5 equiv of $TiCl_4$ gives cycloadduct $(S_p,S_p,2R,3R)$ -2 in 87% yield and 80% de.

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ISSN 0957–4166