

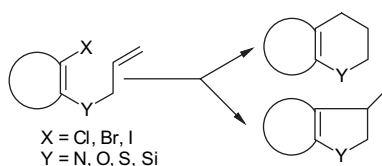
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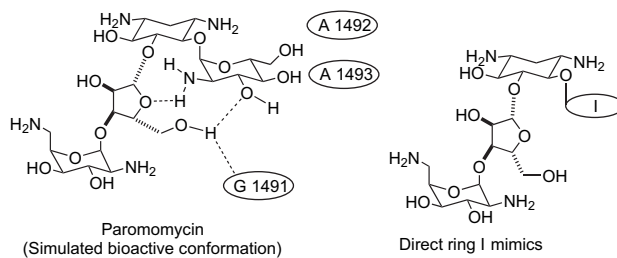


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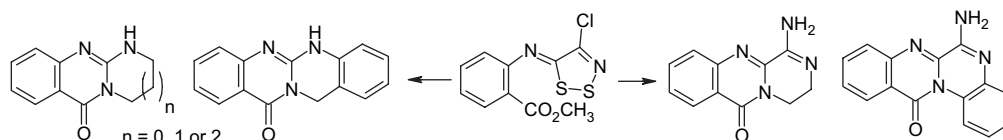
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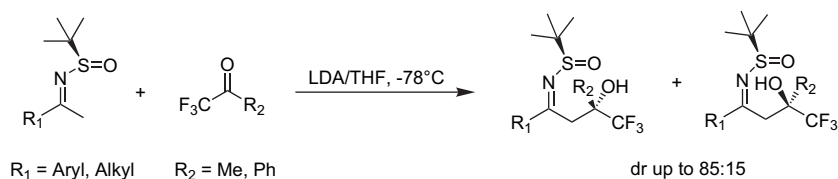
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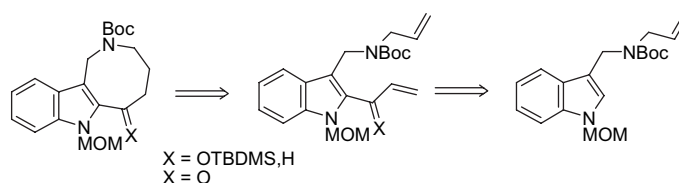


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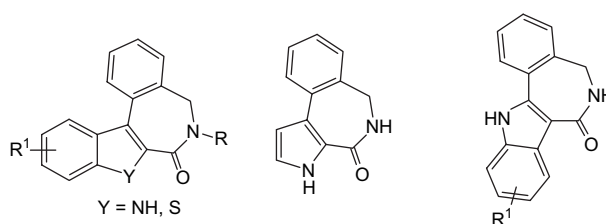
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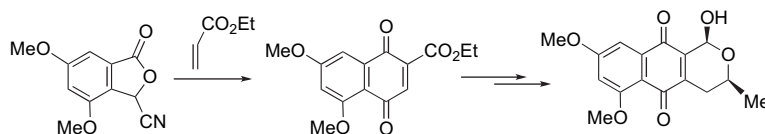
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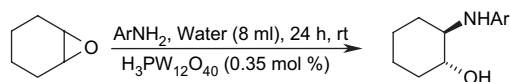
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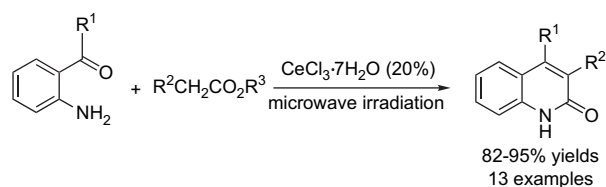
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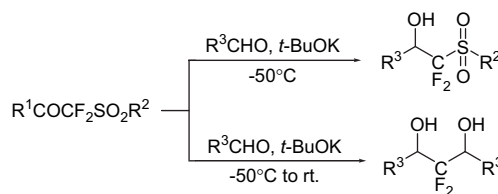
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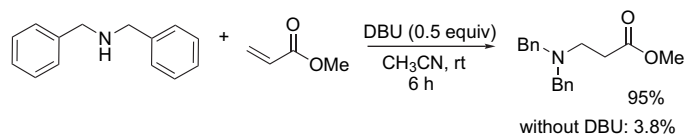
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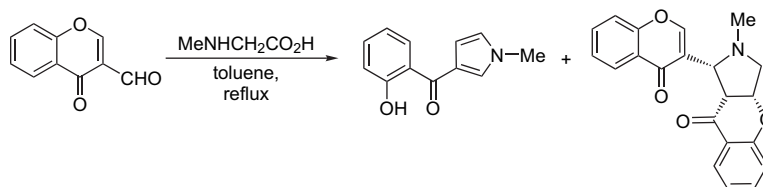
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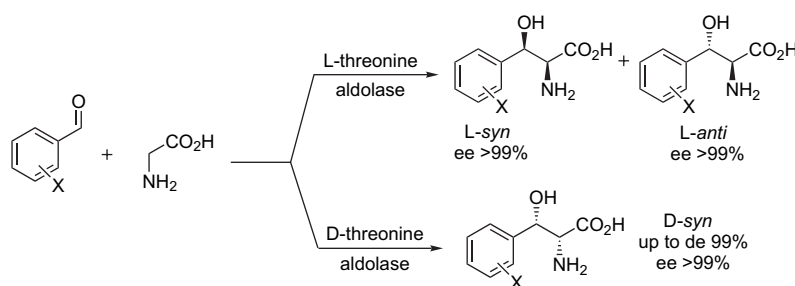
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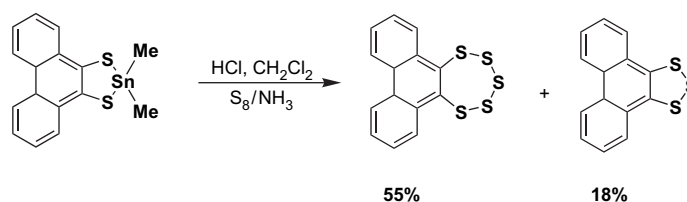
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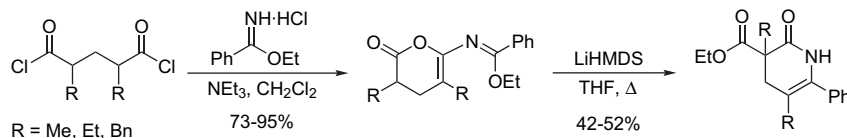


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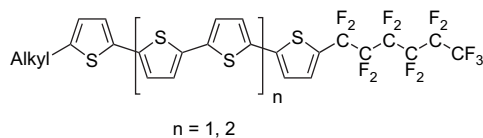
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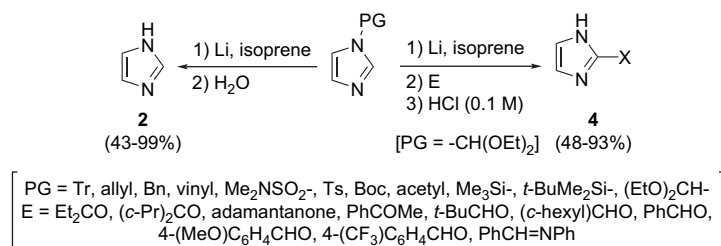
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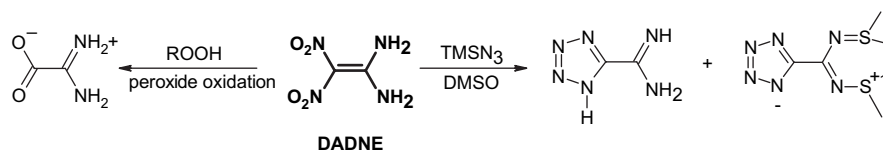
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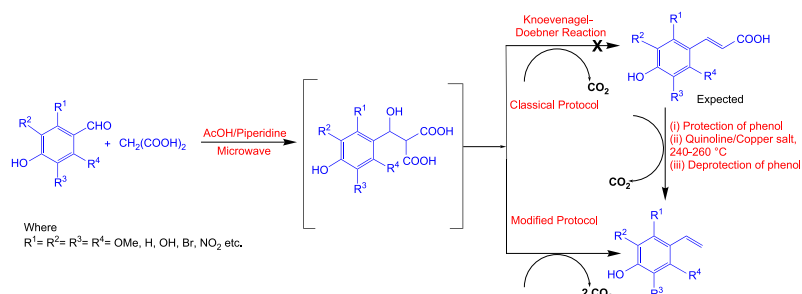
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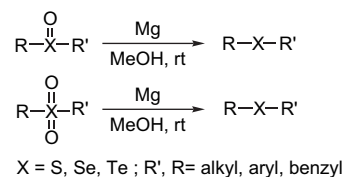
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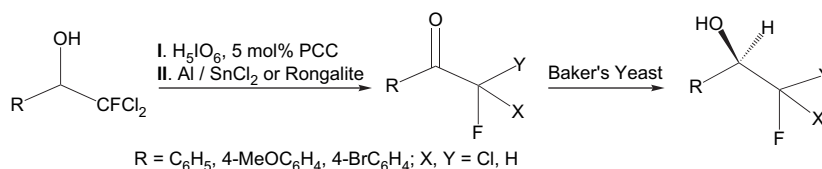
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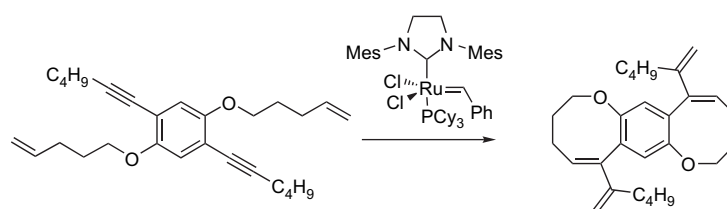
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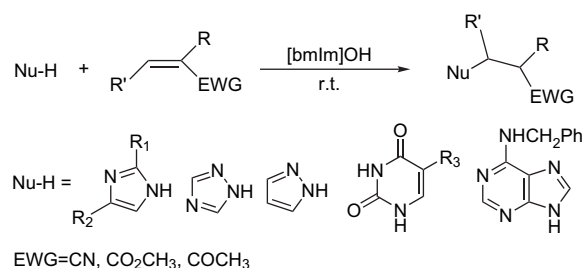
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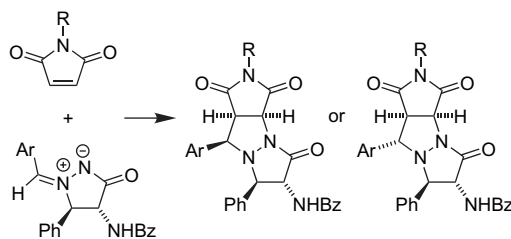
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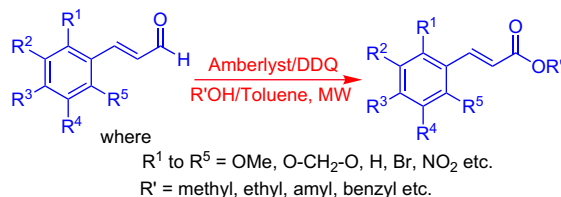
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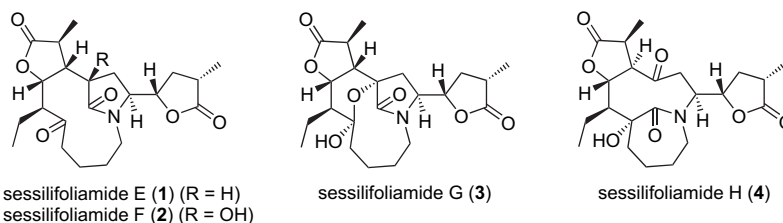
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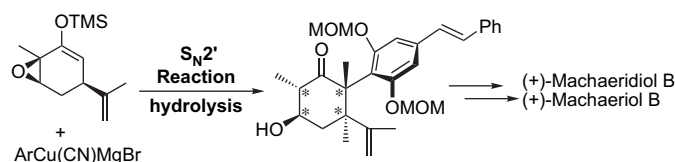
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*Corresponding author

+ Supplementary data available via ScienceDirect**COVER**

Threonine aldolases have had a rather slow start in the synthesis of β -hydroxy- α -amino acids due to low selectivities and yields. Here we report for the first time on a stereoselective synthesis of D-*syn*-phenylserine and its derivatives at high conversion rates using D-threonine aldolase from *Alcaligenes xylosoxidans*. The L-diastereomers were obtained at similar rates as L-*syn/anti*-mixtures using L-threonine aldolase from *Pseudomonas putida*. *Tetrahedron* **2007**, 63, 918–926.

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