



## Tetrahedron Vol. 67, Issue 23, 2011

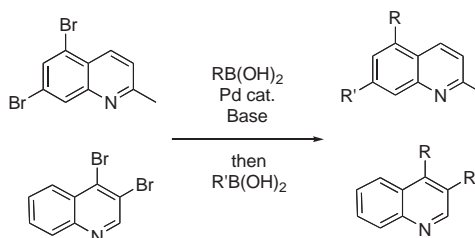
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Alexander Píala, Diyar Mayi, Scott T. Handy\*

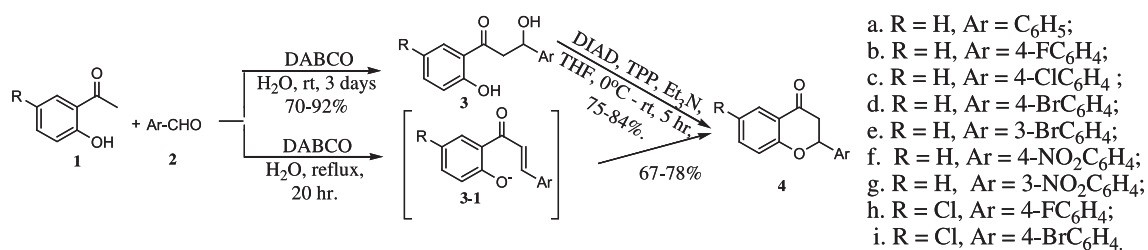
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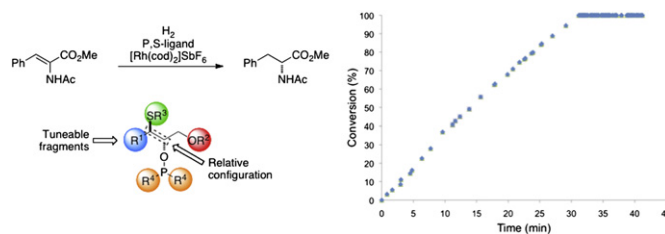
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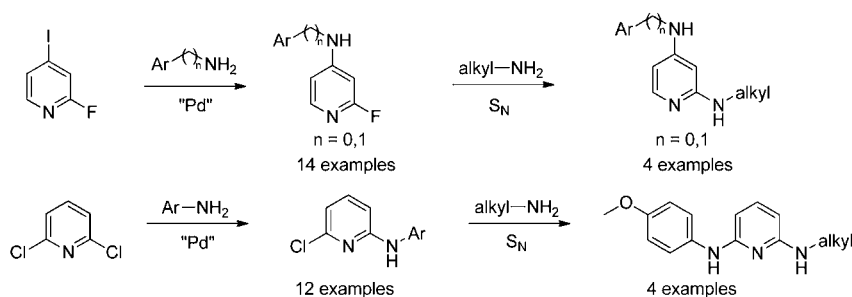
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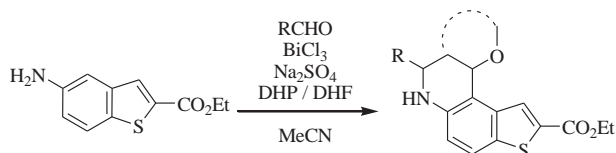
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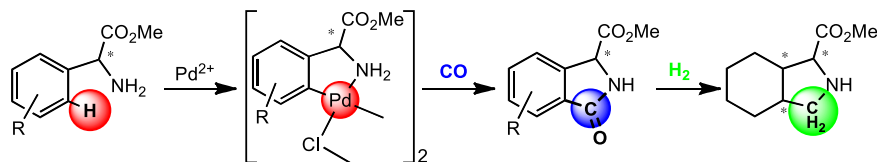
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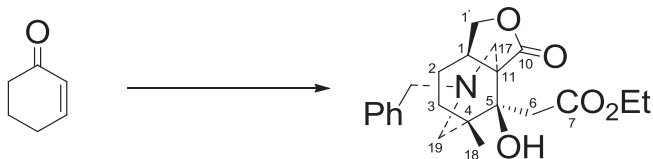
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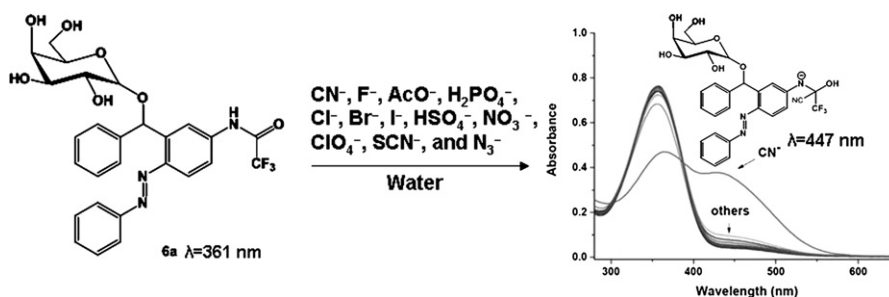
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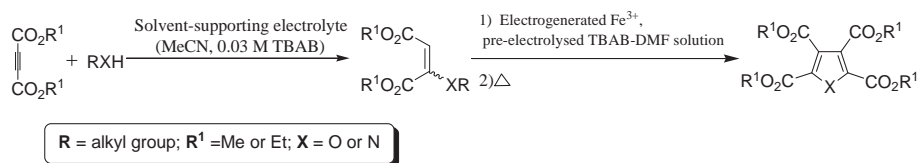
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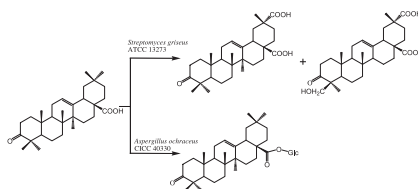
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Chuan-Hua Li, Gao-Qing Yuan\*, Jun-Hua Zheng, Zai-Jun He, Chao-Rong Qi, Huan-Feng Jiang\*

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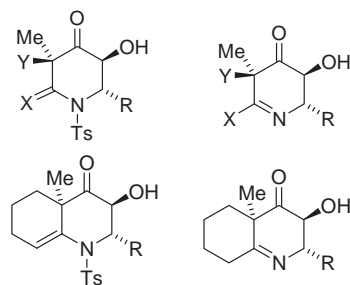
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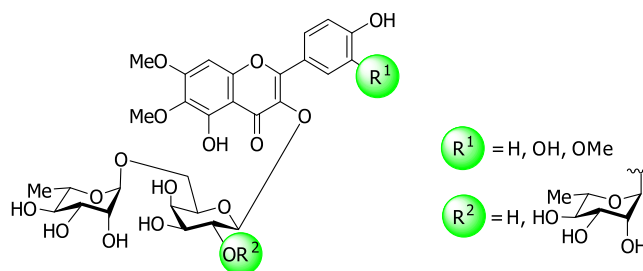
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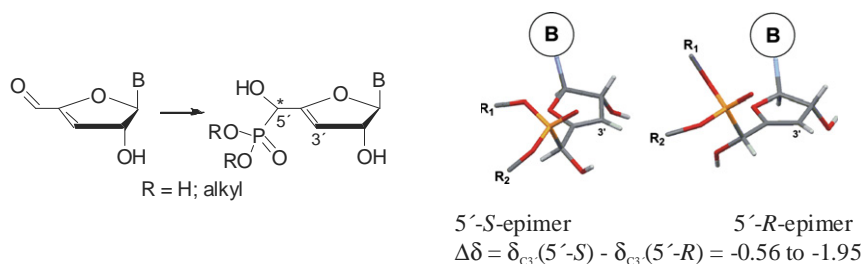
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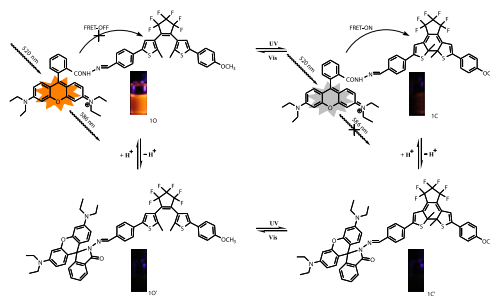
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Magdalena Petrová, Miloš Buděšínský, Blanka Klepetářová, Ivan Rosenberg\*

**A proton and optic dual-control molecular switch based on photochromic diarylethene bearing a rhodamine unit**

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Weijun Liu, Shouzhi Pu\*, Shiqiang Cui, Gang Liu, Congbin Fan

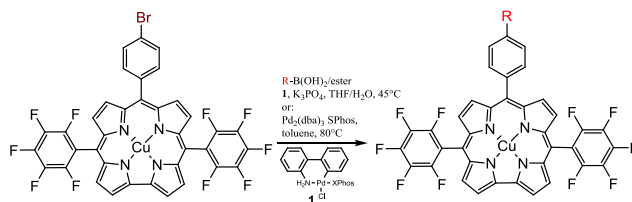


A novel fluorescent switch based on photochromic diarylethene bearing rhodamine B has been successfully synthesized, and it exhibits dual-control characteristics responsive to proton and light.

**Suzuki–Miyaura cross-coupling reaction on copper-*trans*-A<sub>2</sub>B corroles with excellent functional group tolerance**

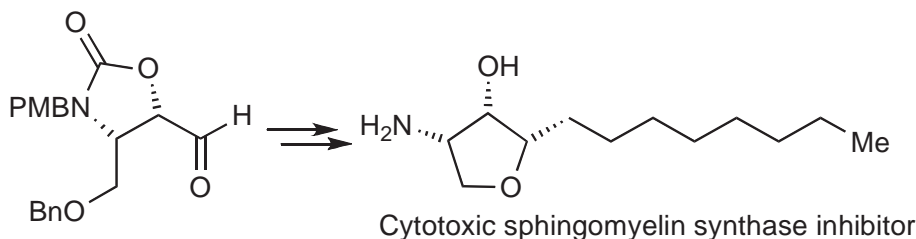
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Michael König, Lorenz Michael Reith, Uwe Monkowius, Günther Knör, Klaus Bretterbauer, Wolfgang Schoefberger\*

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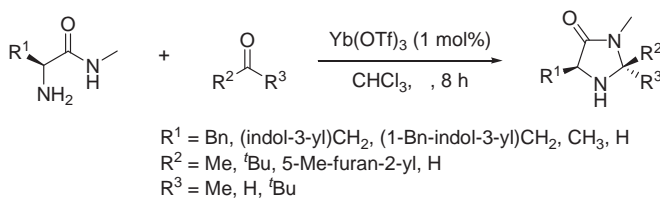
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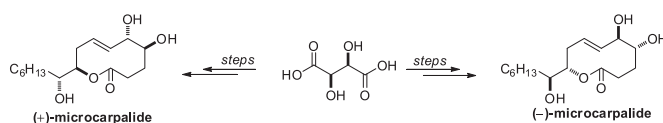
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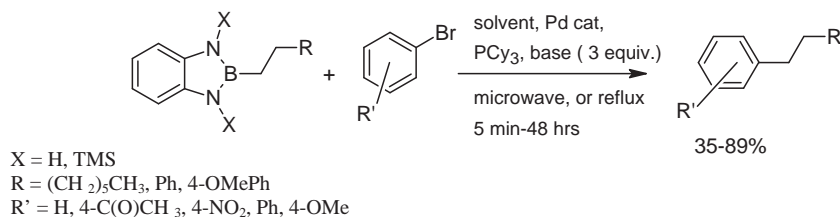
Kavirayani R. Prasad\*, Kamala Penchalaiah



**Microwave-assisted Suzuki–Miyaura cross-coupling of 2-alkyl and 2-alkenyl-benzo-1,3,2-diazaborolanes**

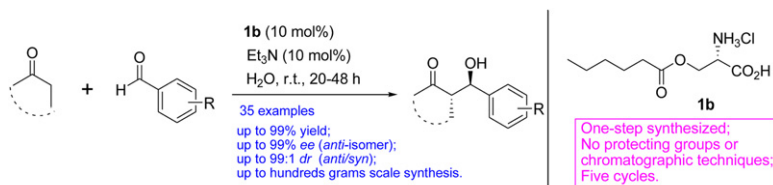
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Siphamandla W. Hadebe, Siphamandla Sithebe, Ross S. Robinson\*

**New simple and recyclable O-acylation serine derivatives as highly enantioselective catalysts for the large-scale asymmetric direct aldol reactions in the presence of water**

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Chuanlong Wu, Xiangkai Fu\*, Shi Li



New classes of O-acylation serine derived organocatalysts have been synthesized one-step by rational combination of serine with acyl chlorides at room temperature in trifluoroacetic acid. No protecting groups or chromatographic techniques are involved in any of the procedures, and certain combined serine-surfactant organocatalysts mediate the direct aldol reactions of ketones with a series of aromatic aldehydes to provide the aldol products in high yields (up to 99%) and enantioselectivities (up to 99% ee). The catalyst **1b** can be easily recovered and reused, and without significant decrease of enantioselectivity was observed for five cycles. This novel catalyst can be efficiently used in large-scale reactions with the enantioselectivities being maintained at the same level, which offers a great possibility for application in industry.

**Retraction notice**

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\*Corresponding author

Supplementary data available via ScienceDirect



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