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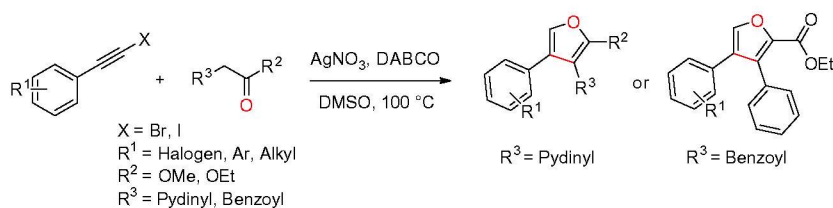
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Highly efficient synthesis of 2,3,4-trisubstituted furans via silver-catalyzed sequential nucleophilic addition and cyclization reactions of haloalkynes

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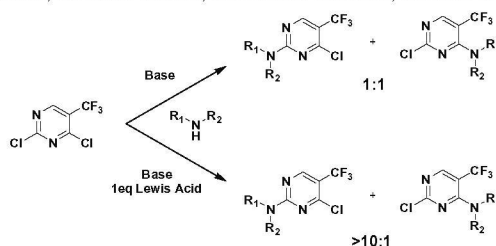
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Selective addition of amines to 5-trifluoromethyl-2,4-dichloropyrimidine induced by Lewis acids

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Daniel T. Richter*, John C. Kath, Michael J. Luzzio, Nandell Keene, Martin A. Berliner, Matthew D. Wessel

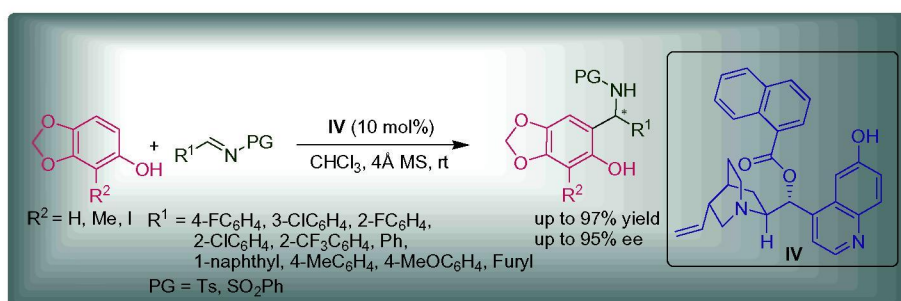


A variety of 2,4-diamino-pyrimidine systems can be prepared from the corresponding 2,4-dichloro-pyrimidine by sequential addition of two amines, the first adding selectively to the 4-position. In contrast it was found that 2,4-dichloro-5-trifluoromethyl-pyrimidine yields a 1:1 mixture of the two possible isomers. Lewis acids were employed to increase the ratio of isomers to >10:1 in favor of the 2-addition product. Optimization of the effect of Lewis acid additives on this and other dichloropyrimidine systems will be discussed.


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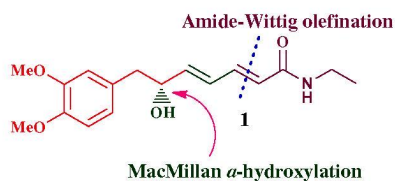
Pankaj Chauhan, Swapandeep Singh Chimni*



First stereoselective synthesis of cytotoxic (-)-kuntleramide

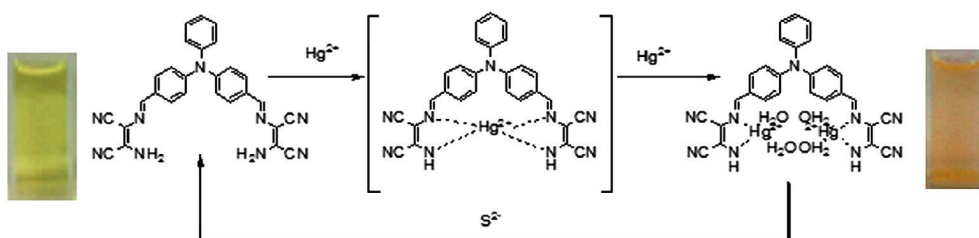
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**An ICT based highly selective and sensitive sulfur-free sensor for naked eye as well as fluorogenic detection of Hg²⁺ in mixed aqueous media**

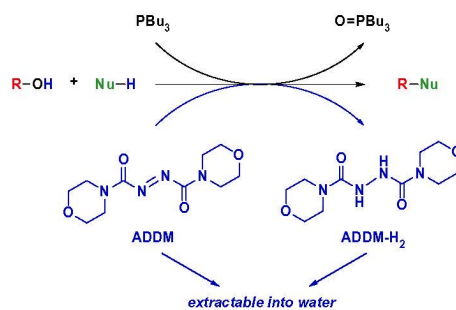
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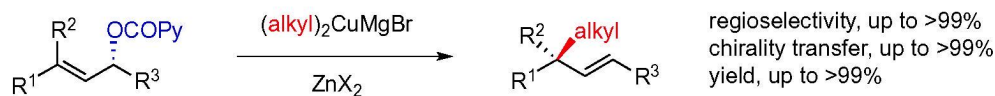
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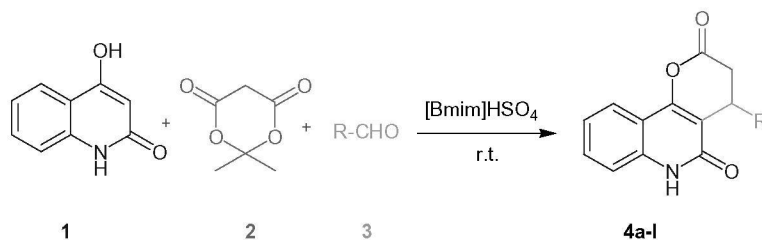
Chao Feng, Yuki Kaneko, Yuichi Kobayashi*



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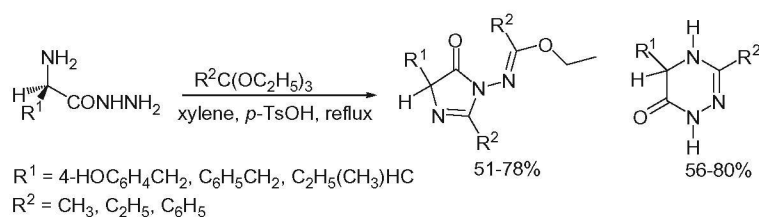
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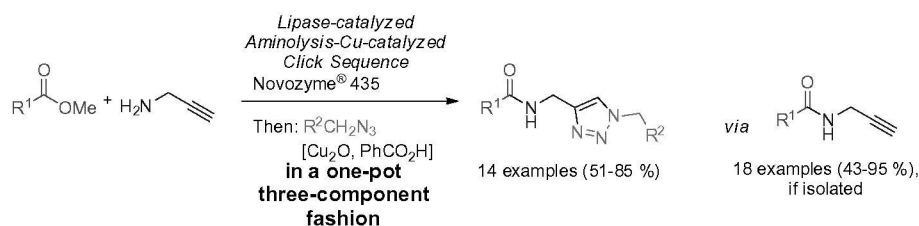
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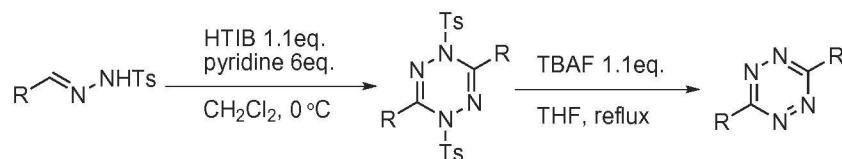
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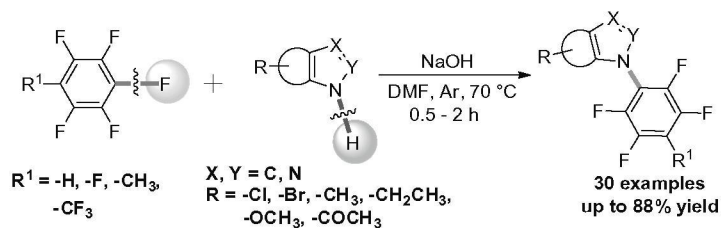
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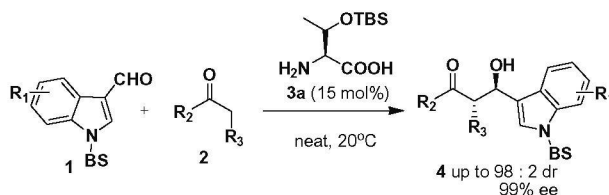
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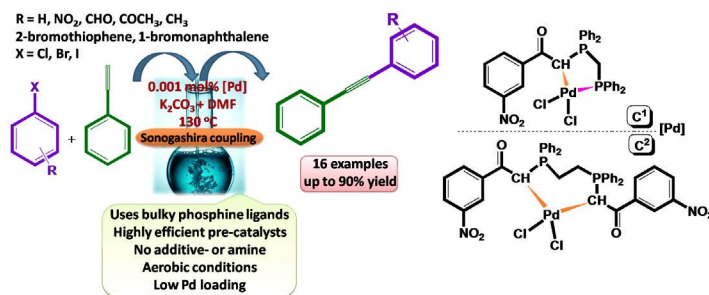
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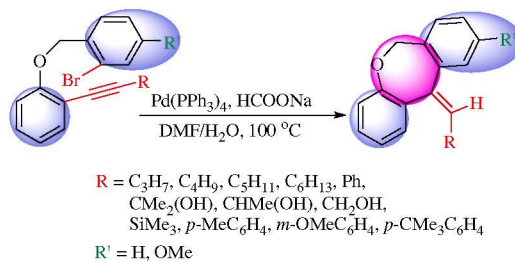
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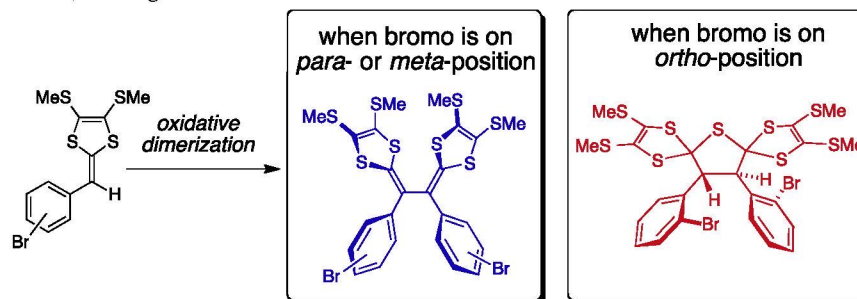
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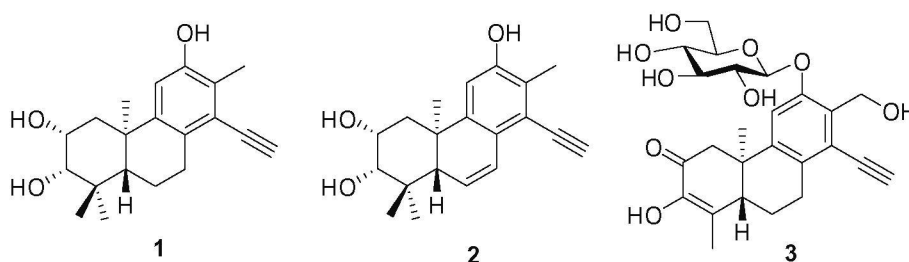
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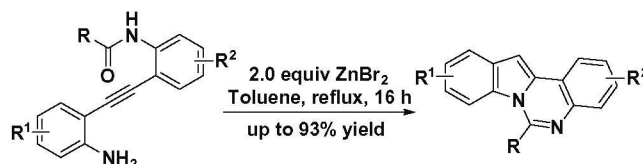
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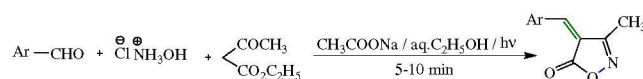
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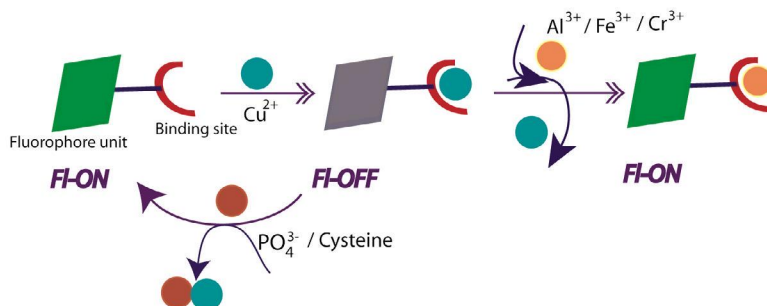
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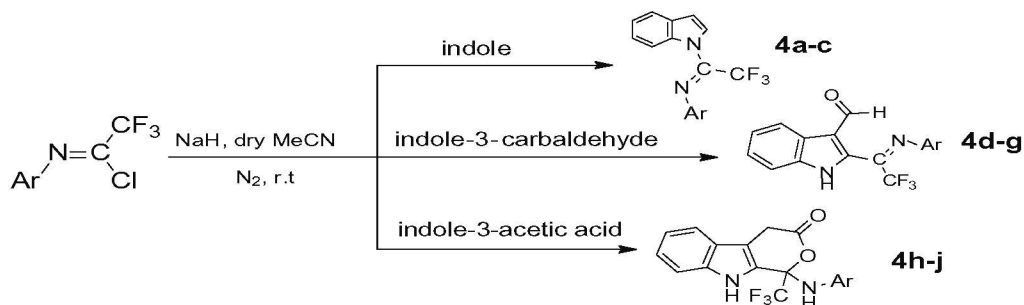
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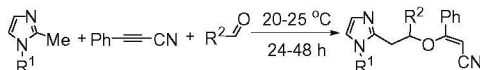
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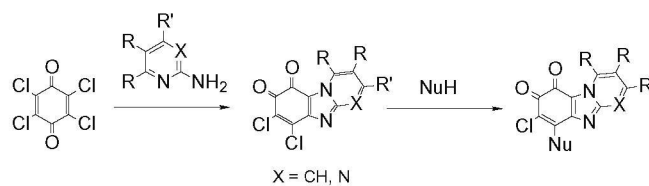
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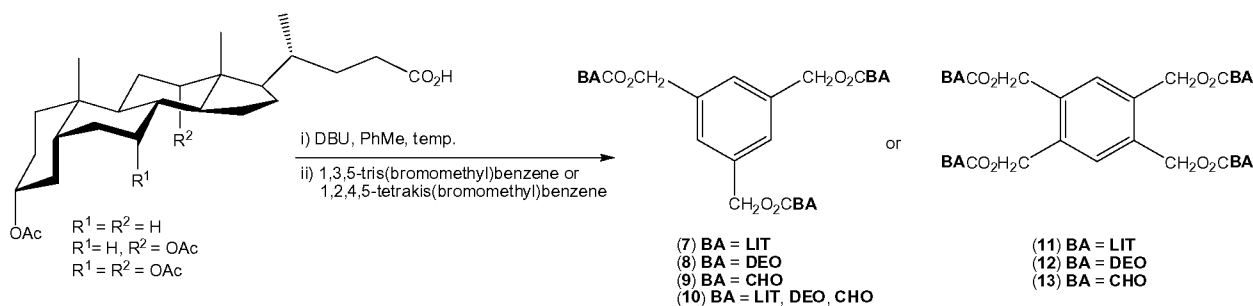
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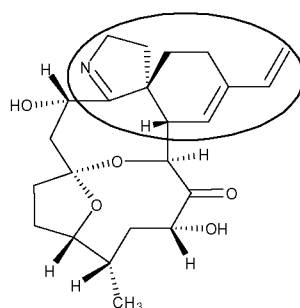
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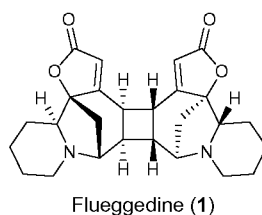
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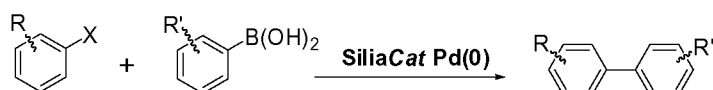
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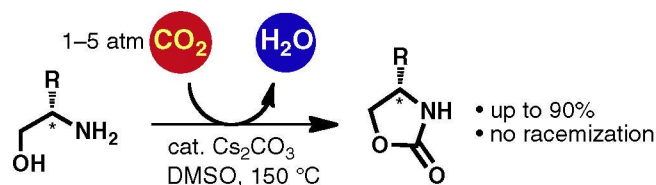
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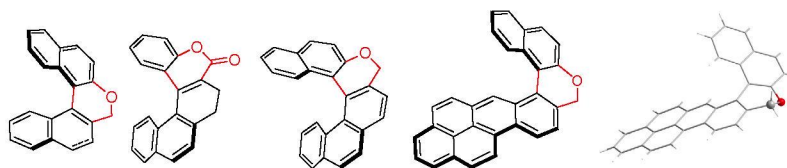
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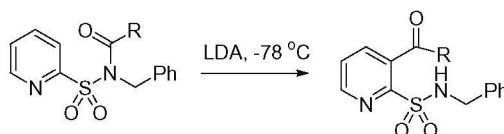
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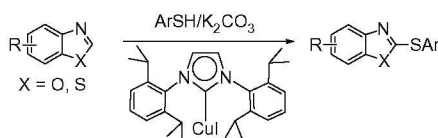
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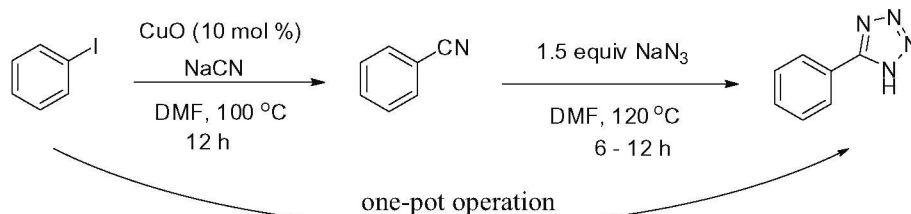
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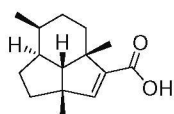
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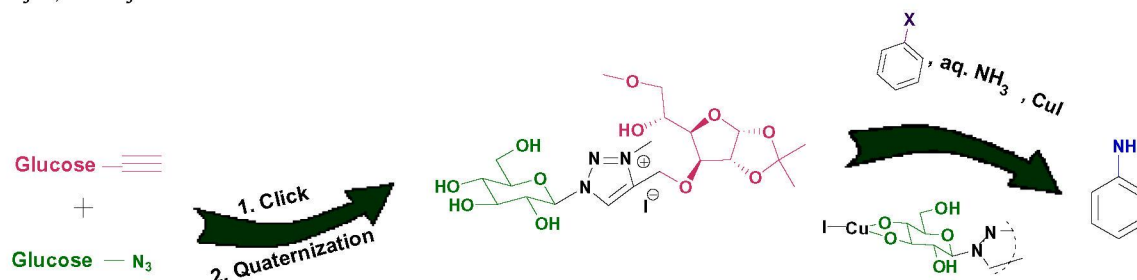
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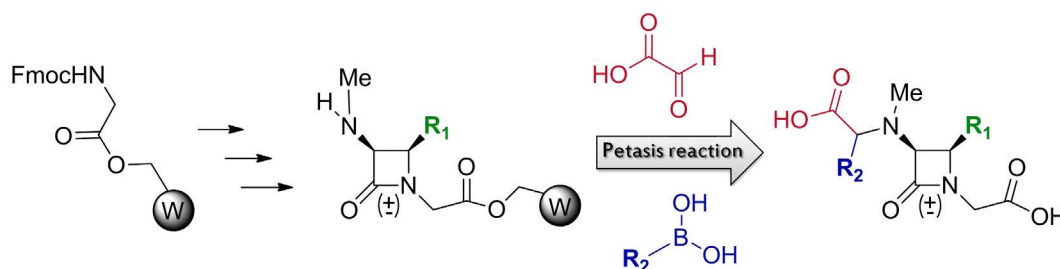
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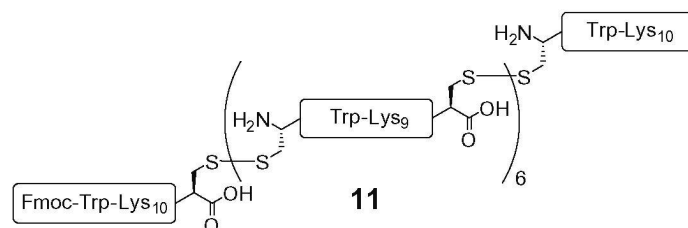
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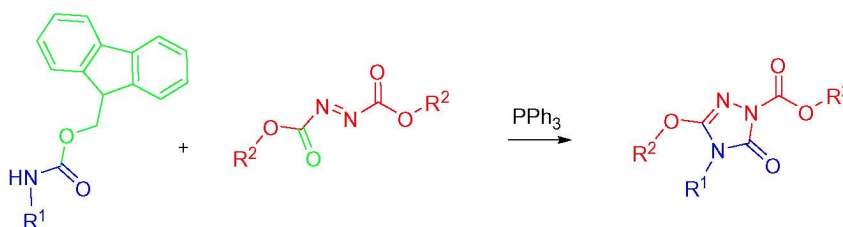
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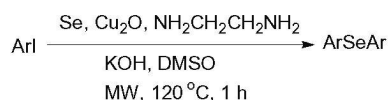
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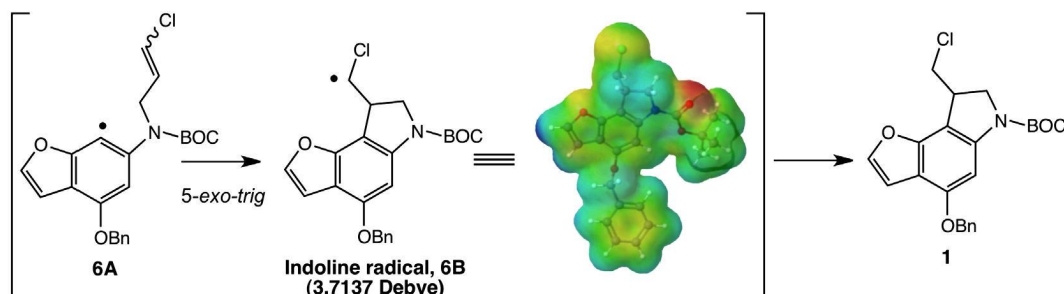
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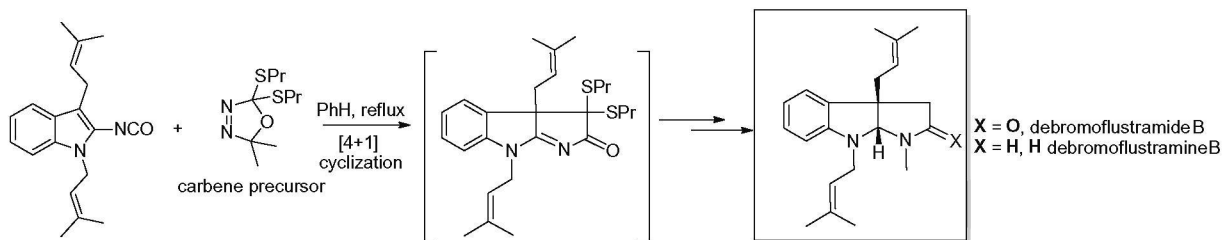
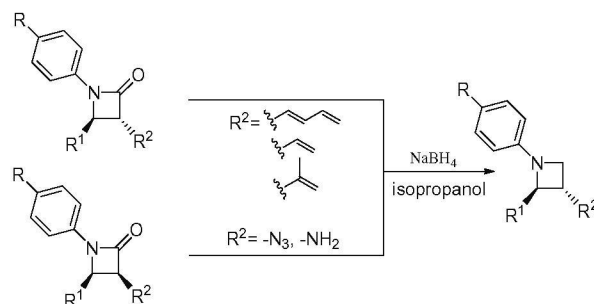
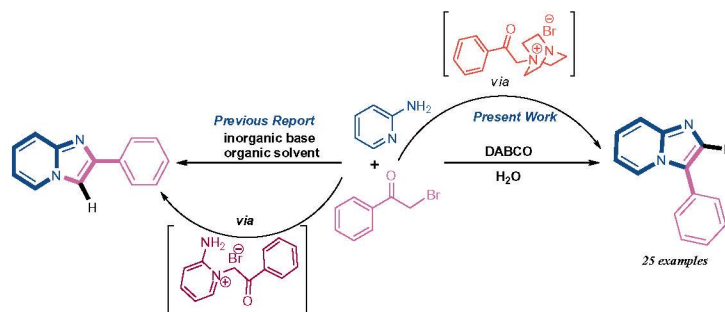
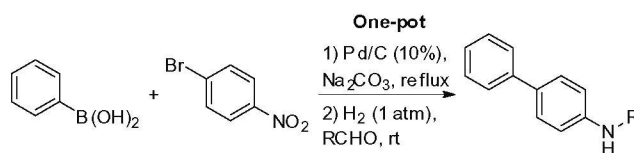


Controlling the radical 5-*exo-trig* cyclization, and selective synthesis of *seco*-iso-cyclopropylfuran[e]indoline (*seco*-iso-CFI) and *seco*-cyclopropylthiophene[e]indoline (*seco*-CTI) DNA alkylating subunit of the duocarmycins

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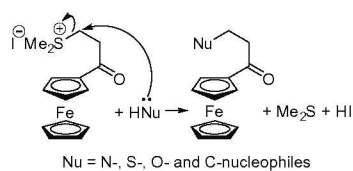


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 Lena Pedersen, Mohamed F. Mady, Magne O. Sydnes*


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Anka Pejović, Ivan Damljanović, Dragana Stevanović, Danijela Ilić, Mirjana Vukićević, Goran A. Bogdanović, Rastko D. Vukićević*

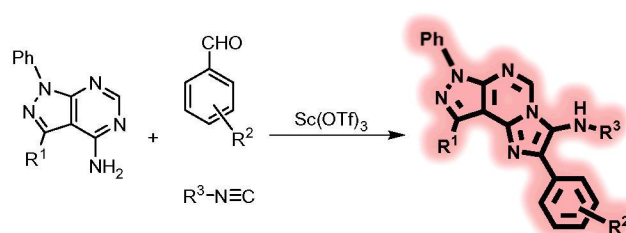


The title salt was synthesized and submitted to reaction with several N-, S-, and O-nucleophiles (to give the corresponding β -functionalized 1-ferrocenylpropan-1-ones), as well as with C-nucleophiles (to give products containing a new C–C bond).

**Sc(OTf)₃ promoted multicomponent synthesis of fluorescent imidazo[1,2-c]pyrazolo[3,4-d]pyrimidine**

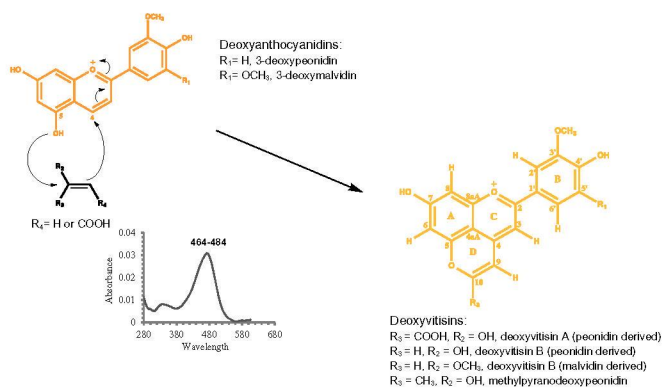
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**Deoxyvitisins: a new set of pyrano-3-deoxyanthocyanidins**

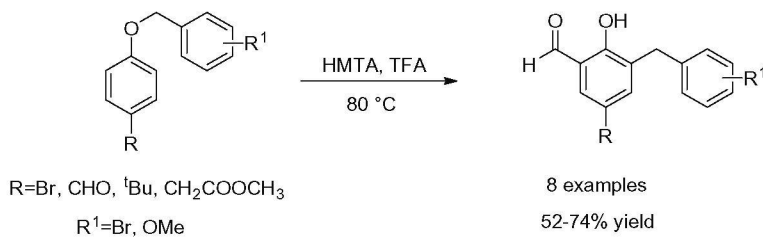
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André Sousa, Paula Araújo, Nuno Mateus, Victor de Freitas*

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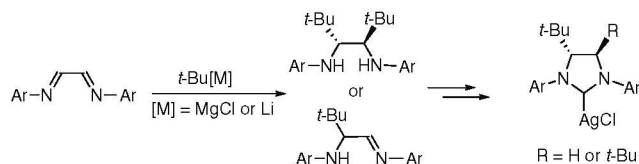
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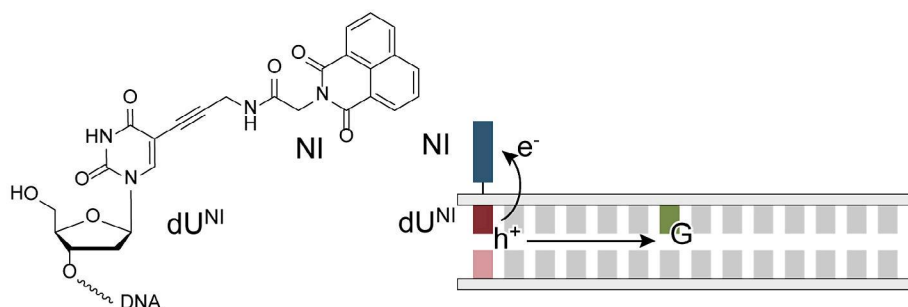
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Ulrich Jacquemard, Phoebe Harpainter, Sylvain Roland*

**Synthesis and charge transferability of DNA possessing a naphthalimide photosensitizer at an extrahelical position**

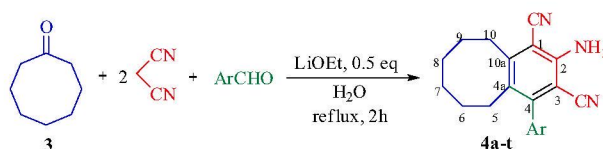
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Tadao Takada*, Yuta Kawano, Akane Ashida, Mitsunobu Nakamura, Kiyohiko Kawai, Tetsuro Majima, Kazushige Yamana*

**'On-water' one-pot pseudo four-component domino protocol for the synthesis of novel benzo[*a*]cyclooctenes**

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Seeni Maharani, Raju Ranjith Kumar*




The present work reports an easy access to novel benzo[*a*]cyclooctenes through an 'on-water' pseudo four-component domino Knoevenagel condensation–Michael addition–Thorpe–Ziegler cyclization–tautomerization–elimination sequence of reactions.

**OTHER CONTENT****Corrigendum to 'First asymmetric synthesis of Silodosin through catalytic hydrogenation by using Ir-SIPHOX catalysts' [Tetrahedron Lett. 54 (2013), 1449–1451]**

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