

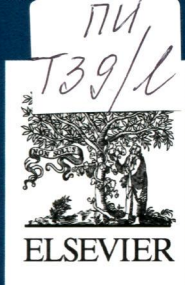
Vol. 55 • Issue 40 • 1 October 2014 • ISSN 0040-4039

# Tetrahedron Letters

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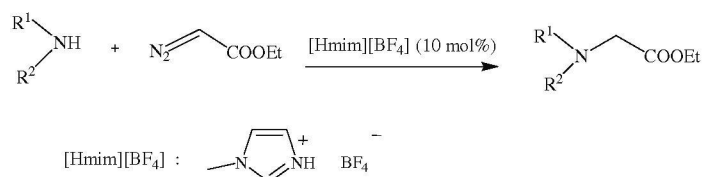
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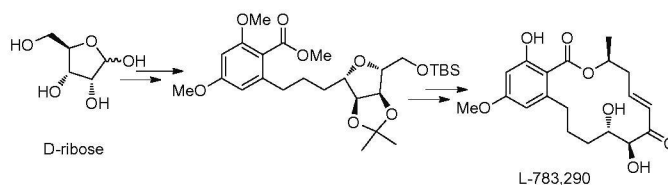
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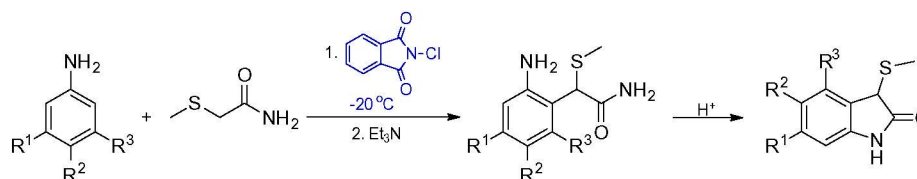
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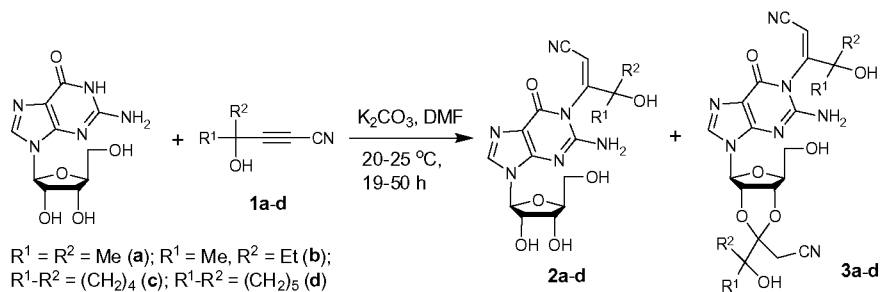
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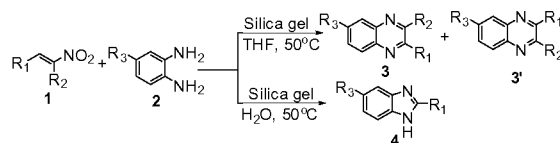
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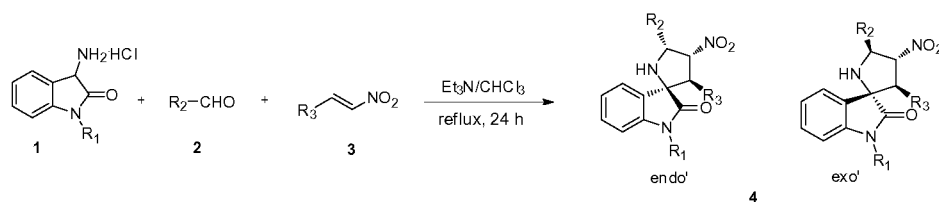
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Chunmei Li, Furen Zhang\*, Zhen Yang, Chenze Qi\*

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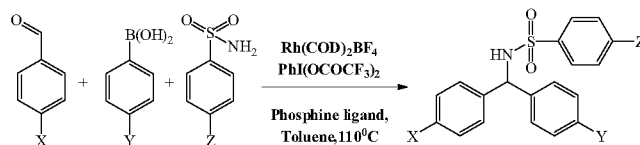


23 examples  
 up to 99% yield  
 up to 99:1 dr

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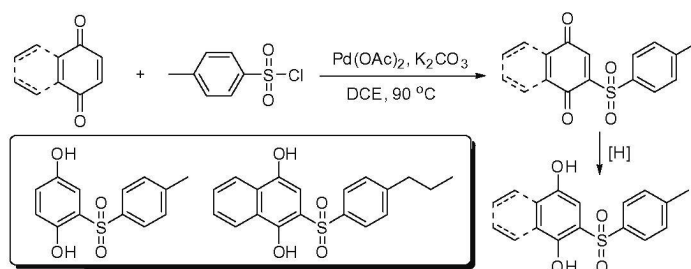
Ponnam Satyanarayana, Ganapam Manohar Reddy, Hariharasarma Maheswaran, Mannepalli Lakshmi Kantam\*



**Synthesis of arylsulfonyl-quinones and arylsulfonyl-1,4-diols as FabH inhibitors: Pd-catalyzed direct C-sulfone formation by C–S coupling of quinones with arylsulfonyl chloride**

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Bingyang Ge, Dawei Wang\*, Weifu Dong, Piming Ma, Yongliang Li, Yuqiang Ding\*

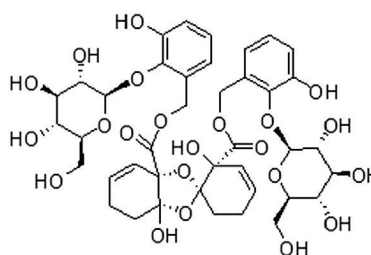
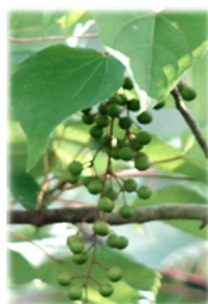


The Pd-catalyzed direct C-sulfone formation by C–S coupling of quinones with arylsulfonyl chloride has been developed. This methodology provides an effective, convenient method for the synthesis of arylsulfonyl-quinones and arylsulfonyl-1,4-diols, which are potent inhibitors of FabH.

**Isolation and structure elucidation of (–)-idescarparide, a new spiro compound from *Idesia polycarpa***

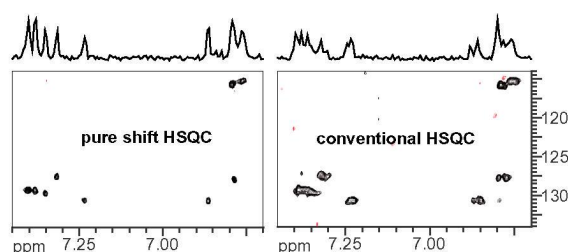
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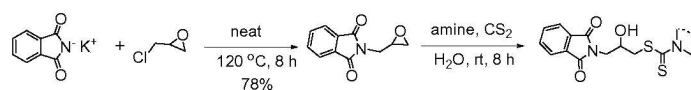
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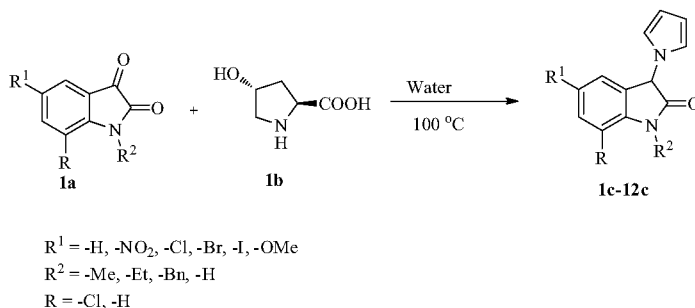
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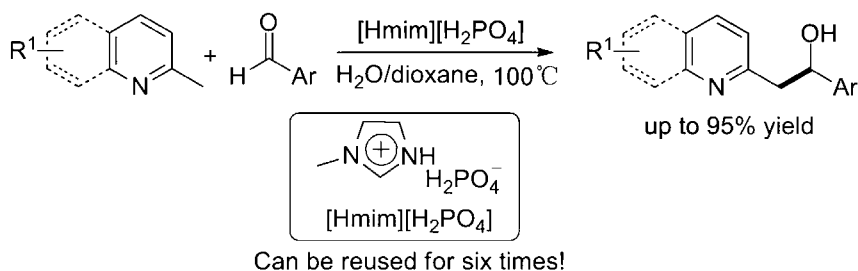
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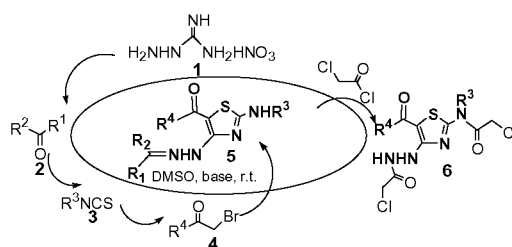
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Xue-Yan Zhang, Dao-Qing Dong, Tao Yue, Shuang-Hong Hao, Zu-Li Wang\*

**One-pot four-component synthesis of 4-hydrazinothiazoles: novel scaffolds for drug discovery**

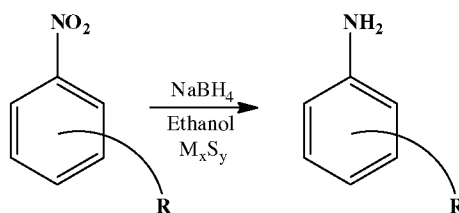
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Sarah Titus, Kumaran G. Sreejalekshmi\*

**Reduction of nitrobenzene derivatives using sodium borohydride and transition metal sulfides**

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Samuel Piña Jr., Diana M. Cedillo, Carlos Tamez, Nezhueyotl Izquierdo, Jason G. Parsons, Jose J. Gutierrez\*



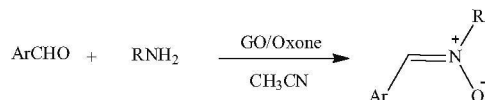
R = H, F, Cl, Br, NH<sub>2</sub>, OCH<sub>3</sub>, OCH<sub>2</sub>CH(CH<sub>2</sub>CH<sub>3</sub>)CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, 2,5-(CH<sub>2</sub>OH)<sub>2</sub>.



**Direct oxidative synthesis of nitrones from aldehydes and primary anilines using graphite oxide and Oxone**

pp 5471–5474

Maryam Mirza-Aghayan\*, Mahdieh Molaee Tavana, Rabah Boukherroub

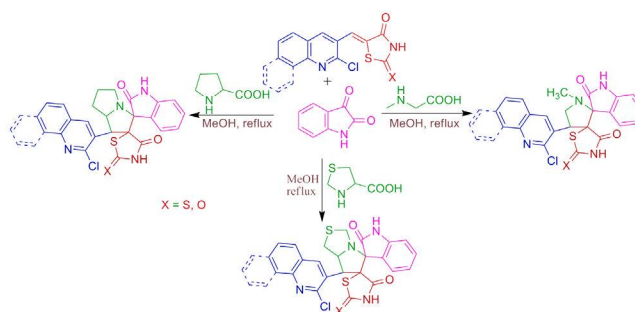


One-pot condensation/oxidation of aldehydes and primary anilines into nitrones using graphite oxide (GO) and Oxone as the oxidant under very mild reaction conditions is described. The proposed method provides a direct oxidative synthesis of various nitrones in good to excellent yields under metal-free conditions in short reaction times.

**A facile regioselective 1,3-dipolar cycloaddition protocol for the synthesis of new class of quinolinyl dispiro heterocycles**

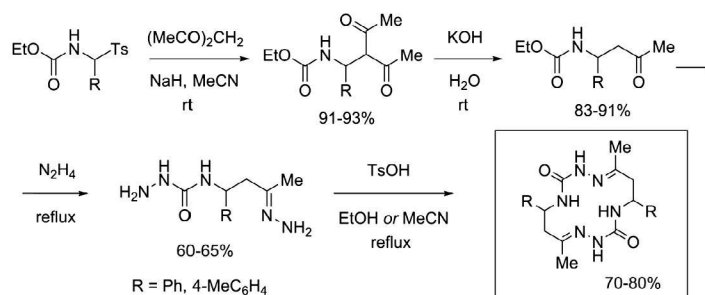
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Gopal Senthil Kumar, Rajendran Satheeskumar, Werner Kaminsky, James Platts, Karnam Jayarampillai Rajendra Prasad\*

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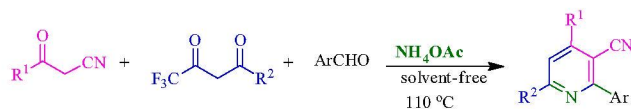
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Anatoly D. Shutalev\*, Anastasia A. Fesenko, Olesya M. Kuzmina, Alexander N. Volov, Dmitry V. Albov, Vladimir V. Chernyshev, Iliia A. Zamilatskov

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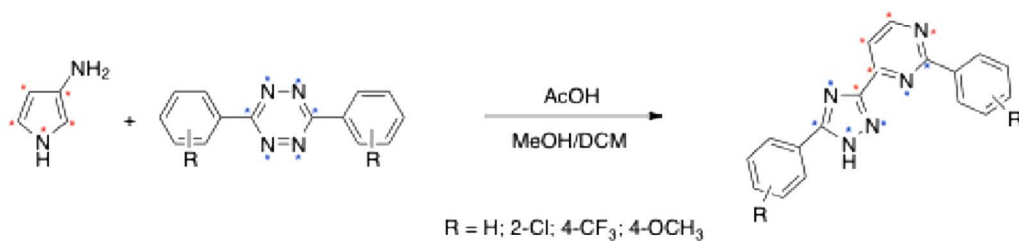
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Chelliah Bharkavi, Pethaiah Gunasekaran, Sundaravel Vivek Kumar, Marimuthu Sakthi, Subbu Perumal\*

R<sup>1</sup> = Ph, 3-Indolyl R<sup>2</sup> = Ph, 2-Thienyl

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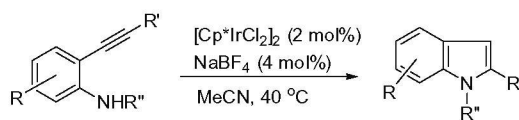
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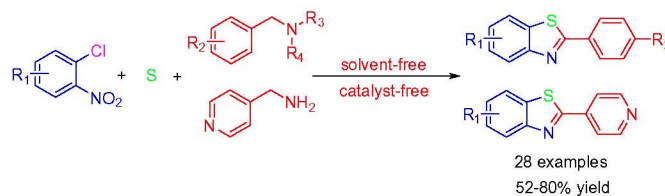
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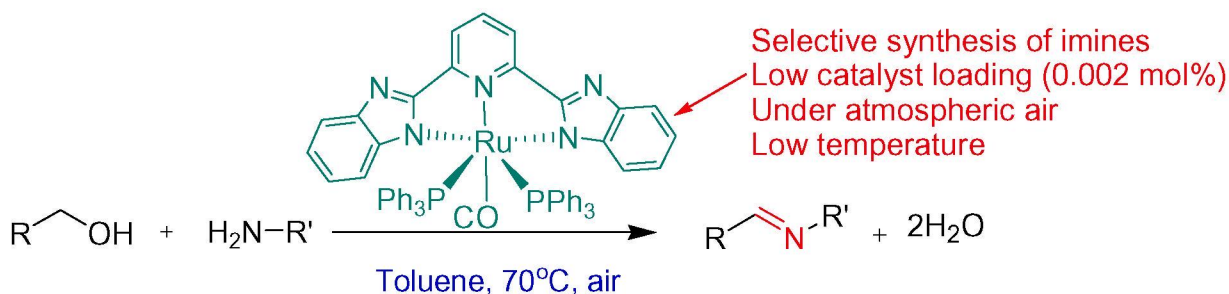
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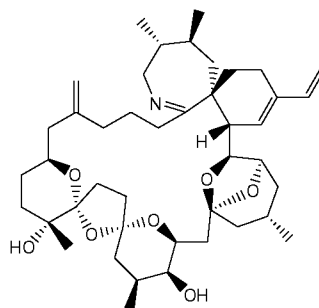
Elangovan Sindhuja, Rengan Ramesh\*



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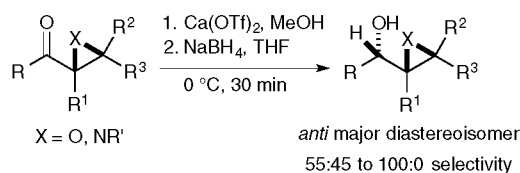
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Andrew I. Selwood\*, Alistair L. Wilkins, Rex Munday, Haifeng Gu, Kirsty F. Smith, Lesley L. Rhodes, Frode Rise

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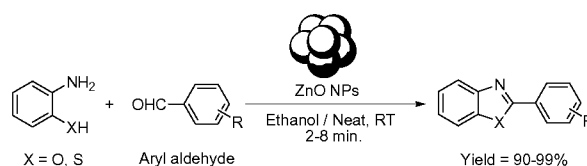
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Nina V. Forkel, David A. Henderson, Matthew J. Fuchter\*

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Amer Alhaj Zen, Jonathan W. Aylott, Weng C. Chan\*





**Synthesis of cyclogentiatriose by macrocyclization via a ring-closing glycosylation**

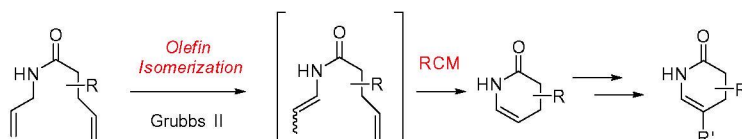
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Han Liu, Xuechen Li\*

**An efficient synthesis of 3,4-dihydropyridone via a tandem olefin isomerization–ring-closing metathesis reaction**

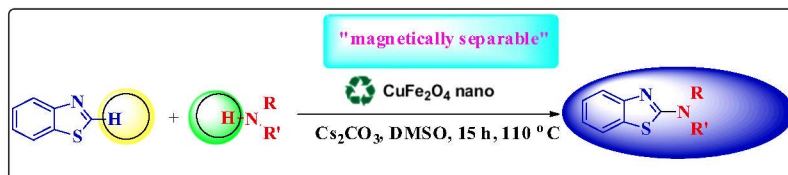
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Chong Si\*, Kevin R. Fales, Robert D. Boyer, F. George Njoroge

**Direct C–H amination of benzothiazoles by magnetically recyclable CuFe<sub>2</sub>O<sub>4</sub> nanoparticles under ligand-free conditions**

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G. Satish, K. Harsha Vardhan Reddy, B. S. P. Anil, J. Shankar, R. Uday Kumar, Y. V. D. Nageswar\*

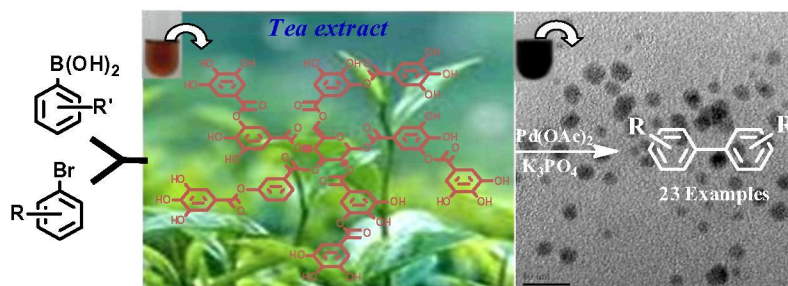


A simple and highly practical method for the synthesis of 2-*N*-substituted benzothiazoles has been developed by using nano copper ferrite as a magnetically separable, recyclable catalyst. The present tandem process allows to get access to a wide range of 2-*N*-substituted benzothiazoles in good to excellent yields by the reaction of azoles with nitrogen nucleophiles in the presence of Cs<sub>2</sub>CO<sub>3</sub> as a base. The nano CuFe<sub>2</sub>O<sub>4</sub> could be recovered and reused with no significant loss of catalytic activity.

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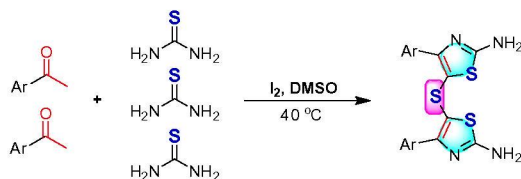
Limi Goswami, Pranjal Gogoi\*, Junali Gogoi, Ashwini Borah, Manash R. Das, Romesh C. Boruah\*



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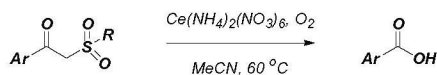
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Wei-jian Xue, Hong-zheng Li, Kai-lu Zheng, An-xin Wu\*

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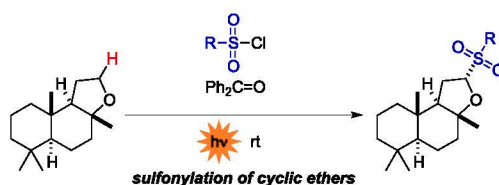
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Meng-Yang Chang\*, Chung-Yu Tsai

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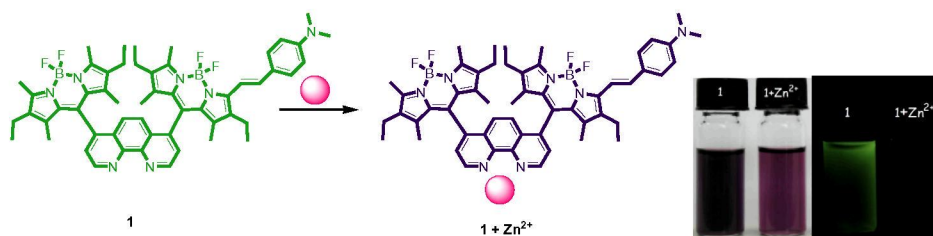
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Shin Kamijo\*, Masaki Hirota, Keisuke Tao, Mizuki Watanabe, Toshihiro Murafuji

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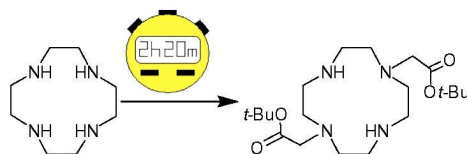
Serkan Karakaya, Fatih Algi\*



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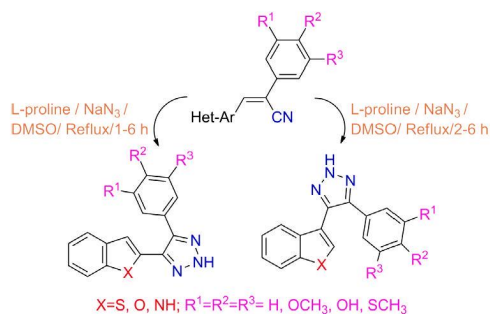
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Lauren E. Hopper, Matthew J. Allen\*

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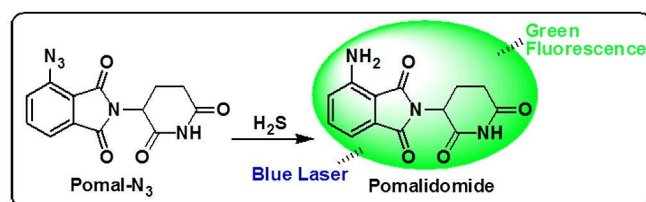
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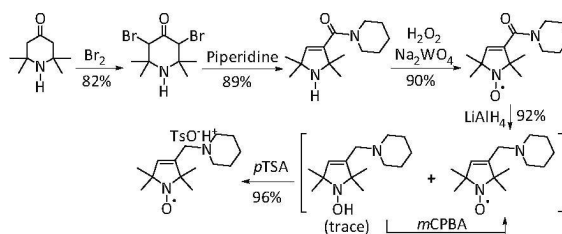
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Kai Liu\*, Shijun Zhang\*

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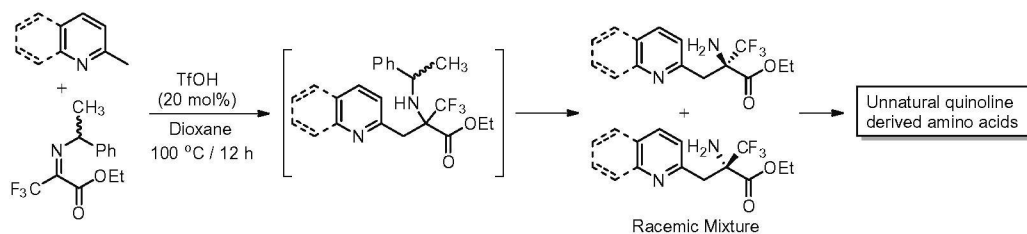
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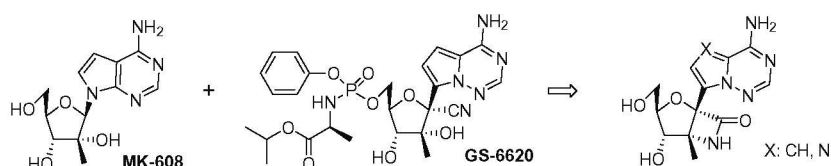
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Mark Blocker, Supriya Immaneni, Abid Shaikh\*

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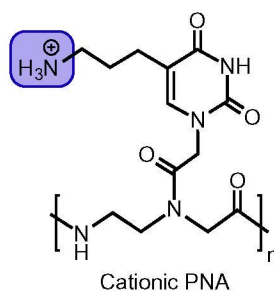
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Qun Dang\*, Zhibo Zhang, Yunfeng Bai, Ruijun Sun, Jie Yin, Tongqian Chen, Stephane Bogen, Vinay Girijavallabhan, David B. Olsen, Peter T. Meinke

**Synthesis and characterization of cationic PNA bearing 5- $\omega$ -aminopropyl-uracil**

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Paul H. Kim, Christopher Switzer\*



\*Corresponding author

Supplementary data available via ScienceDirect

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