

**Tetrahedron Letters Vol. 49, No. 32, 2008**

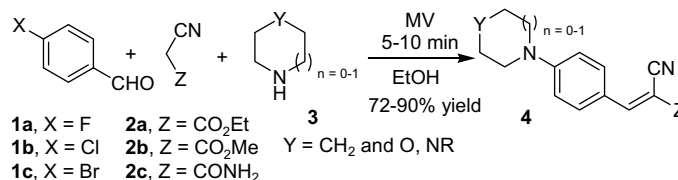
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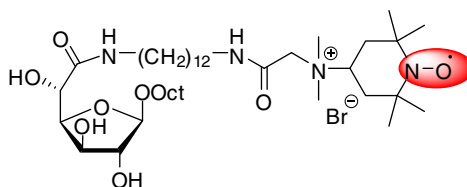
Hui Xu, Xinhong Yu <sup>\*</sup>, Leying Sun, Jing Liu, Wen Fan, Yongjia Shen <sup>\*</sup>, Wei Wang <sup>\*</sup>



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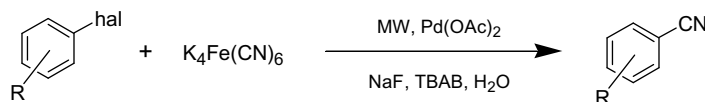
Mathieu Berchel, Loïc Lemiègre, Jelena Jeftić, Thierry Benvegna <sup>\*</sup>



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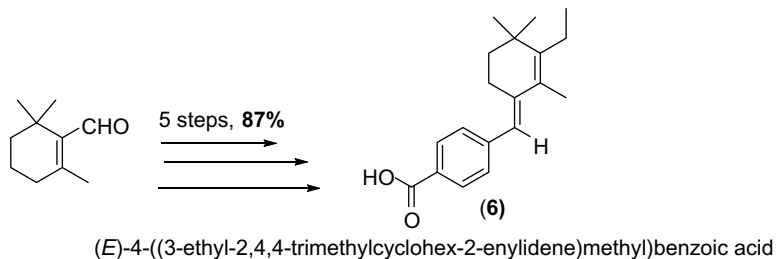
Sivan Velmathi, Nicholas E. Leadbeater <sup>\*</sup>



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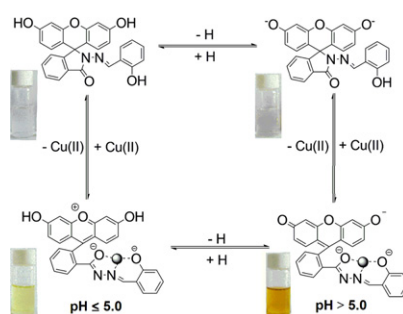
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Bhaskar C. Das \*, George W. Kabalka

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Xiaotong Chen, Zifan Li, Yu Xiang, Aijun Tong \*

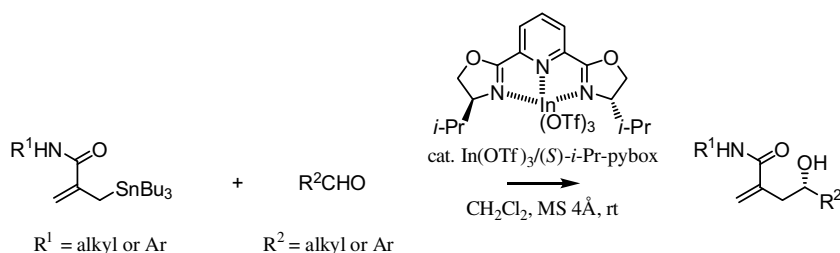


This chemosensor presented a tunable system integrated with a Cu(II)-driven YES logic gate as well as an INHIBIT logic gate with two chemical inputs of pH and Cu(II).

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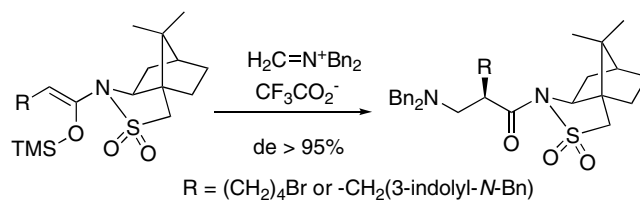
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Takamasa Suzuki, Tetsuya Sengoku, Masaki Takahashi, Hidemi Yoda \*

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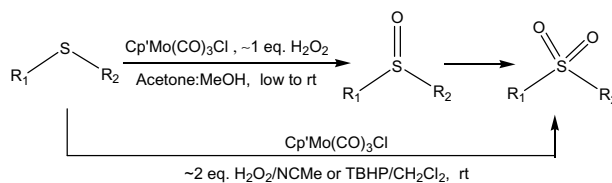
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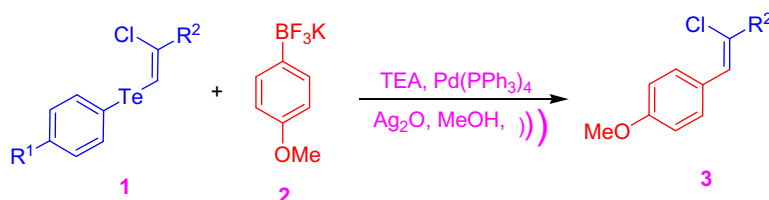


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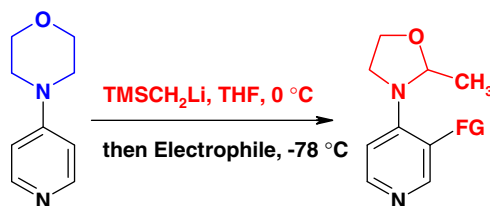
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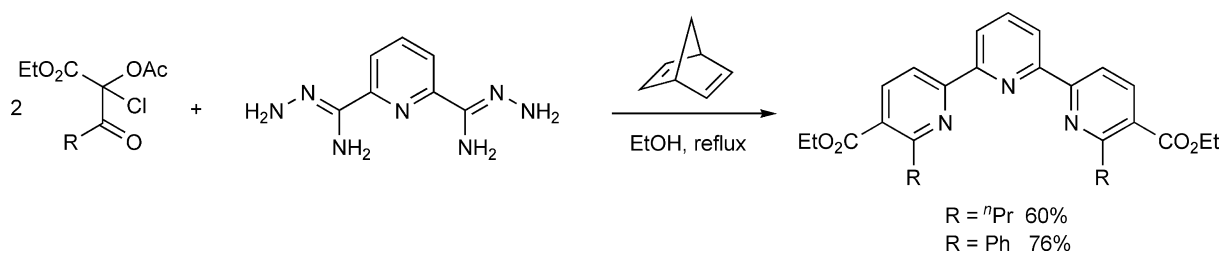
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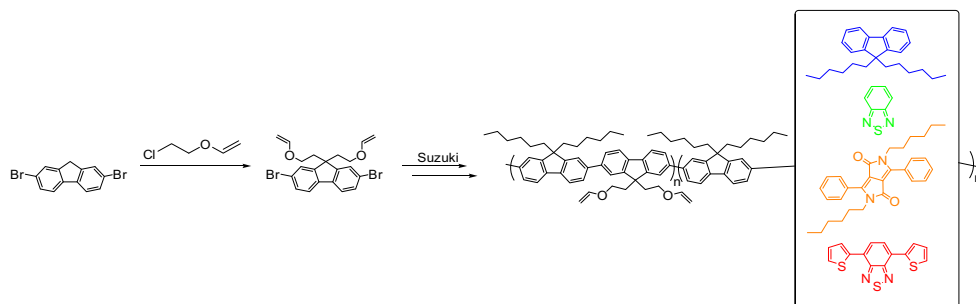
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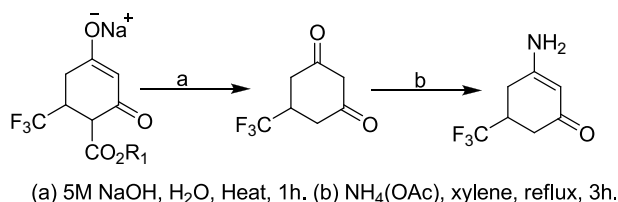
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**Novel vinyl ether functionalized fluorene polymers for active incorporation into common photoresist matrices**

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Alexander J. C. Kuehne <sup>\*</sup>, Allan R. Mackintosh, R. A. Pethrick, Bernd Tieke**Synthesis of 5-(trifluoromethyl)cyclohexane-1,3-dione and 3-amino-5-(trifluoromethyl)cyclohex-2-en-1-one: new trifluoromethyl building block**

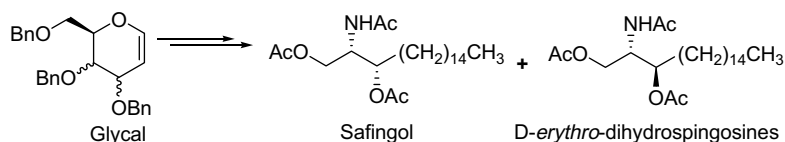
pp 4725–4727

Olugbeminiyi O. Fadeyi, Cosmas O. Okoro <sup>\*</sup>

A simple synthesis of 5-(trifluoromethyl)cyclohexane-1,3-dione and 3-amino-5-(trifluoromethyl)cyclohex-2-en-1-one from the sodium salt of methyl or ethyl-4-hydroxy-2-oxo-6-(trifluoromethyl)cyclohex-3-en-1-olate is demonstrated. The compounds represent highly functionalized reactive intermediates for the synthesis of organic and heterocyclic compounds containing a trifluoromethyl group.

**Stereoselective synthesis of safingol and its natural stereoisomer from D-glycals**

pp 4728–4730

Hari Prasad Kokatla, Ram Sagar, Yashwant D. Vankar <sup>\*</sup>

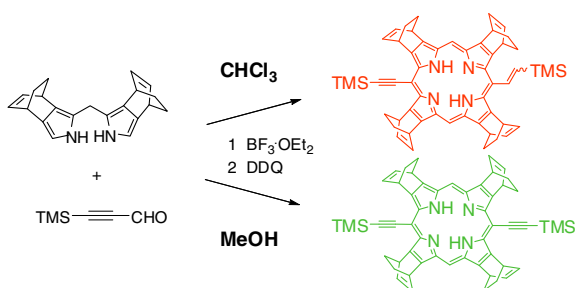
Efficient and convenient syntheses of (2*S*,3*S*)-safingol and its natural (2*S*,3*R*)-isomer have been developed from 3,4,6-tri-*O*-benzyl glycals. The key step is the one-pot reduction of an azide, saturation of the double bonds and debenzylation under catalytic hydrogenation.

**Selective synthesis of 5-alkenyl-15-alkynyl-porphyrin and 5,15-dialkynyl-porphyrin by 2+2 acid-catalyzed condensation of dipyrromethane and TMS propynal**

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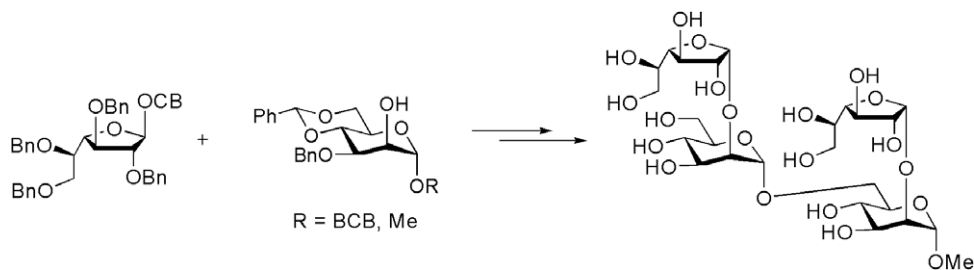
Hiroko Yamada <sup>\*</sup>, Kayo Kushibe, Satoshi Mitsuogi, Tetsuo Okujima, Hidemitsu Uno, Noboru Ono

One of 5-alkenyl-15-alkynyl-porphyrin and 5,15-dialkynyl-porphyrin was prepared selectively by 2+2 acid-catalyzed condensation in the presence of BF<sub>3</sub>·OEt<sub>2</sub> only by the choice of the solvent.

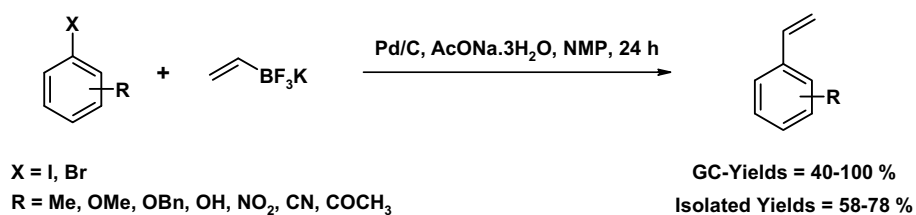


**Stereoselective  $\alpha$ -galactofuranosylation and synthesis of di- and tetrasaccharide subunits of cell wall polysaccharides of *Talaromyces flavus*** pp 4734–4737

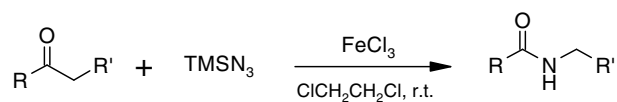
Ju Yuel Baek, Yong Jae Joo, Kwan Soo Kim \*


**Efficient heterogeneous vinylation of aryl halides using potassium vinyltrifluoroborate** pp 4738–4741

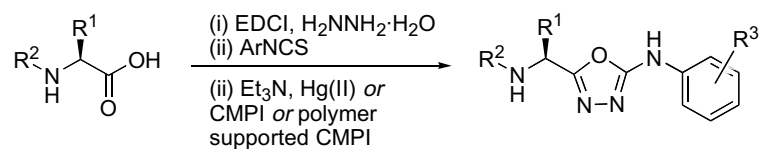
Lionel Joucla, Giuseppe Cusati, Catherine Pinel \*, Laurent Djakovitch \*


**Azido-Schmidt reaction for the formation of amides, imides and lactams from ketones in the presence of FeCl<sub>3</sub>** pp 4742–4745

J. S. Yadav \*, B. V. Subba Reddy, U. V. Subba Reddy, K. Praneeth

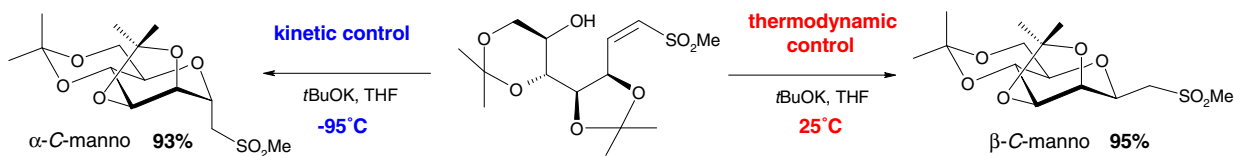

**Parallel solution phase synthesis of a library of amino acid derived 2-aryl-amino-[1,3,4]-oxadiazoles** pp 4746–4749

Julia I. Gavriluyk, Alan J. Lough, Robert A. Batey \*



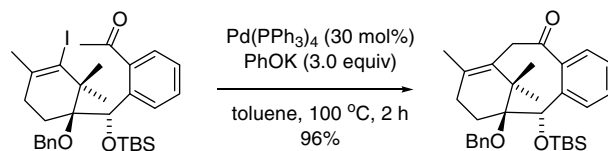
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Vincent Aucagne\*, Arnaud Tatibouët, Patrick Rollin



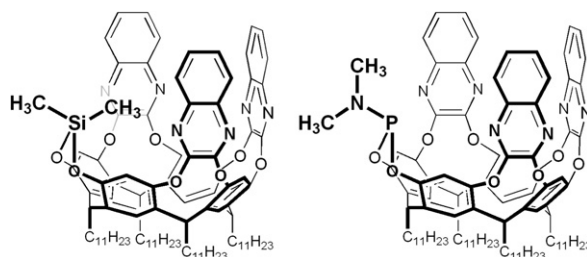
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Masayuki Utsugi, Yasuaki Kamada, Masahisa Nakada\*



## Synthesis of the functionalized cavitands with inwardly directed dialkylsilyl groups and phosphorous lone pairs pp 4758–4762

Tetsuo Iwasawa\*, Yoshiki Nishimoto, Kento Hama, Toshinori Kamei, Masaki Nishiuchi, Yasuhiko Kawamura\*

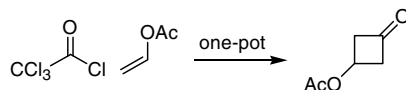


Functionalized cavitands with silyl and phosphorous groups have been successfully synthesized.



## Facile preparation of 3-acetoxycyclobutanone pp 4763–4764

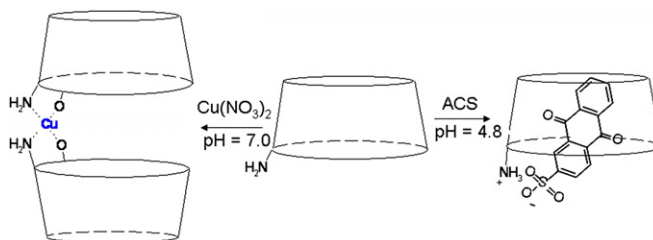
Matthew A. Zajac



3-Acetoxycyclobutanone is a versatile intermediate to access cyclobutanes with a variety of substitution patterns. Established procedures require a two step process that includes multiple distillations. We report a one-pot procedure that renders this compound readily available. Additionally, it was determined that copper plays a key role in the reaction sequence.

### Synthesis and characterisation of the 3-amino-derivative of $\gamma$ -cyclodextrin, showing receptor ability and metal ion coordination properties pp 4765–4767

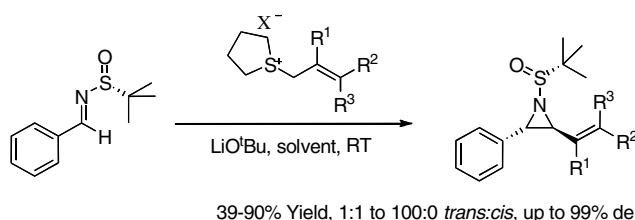
Annalinda Contino, Vincenzo Cucinotta <sup>\*</sup>, Alessandro Giuffrida, Giuseppe Maccarrone, Marianna Messina, Antonino Puglisi, Graziella Vecchio



The 3-amino  $\gamma$ -cyclodextrin: a new receptor able to coordinate copper(II) and to form an inclusion complex with anthraquinone 2-sulfonate.

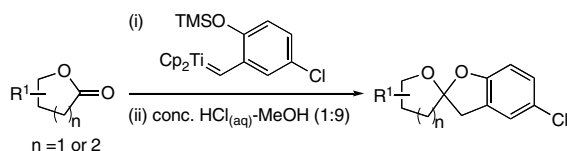
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Kordi Chigboh, Daniel Morton, Alan Nadin, Robert A. Stockman <sup>\*</sup>



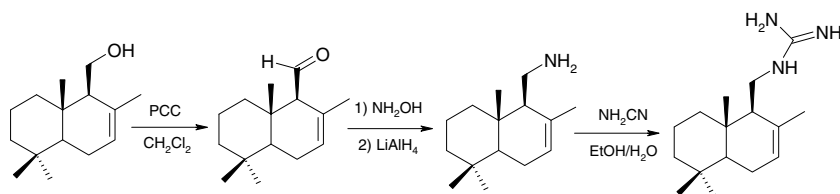
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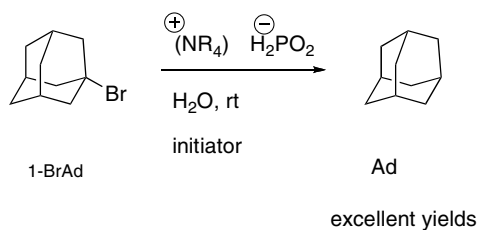
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Miguel Zárraga <sup>\*</sup>, Ana María Zárraga, Benito Rodríguez, Claudia Pérez, Cristian Paz, Pablo Paz, Carlos Sanhueza



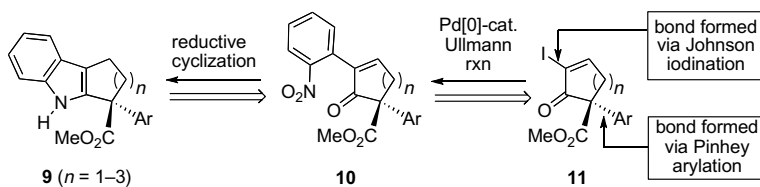
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V. T. Perchyonok \*, Kellie L. Tuck \*, Steven J. Langford, Milton W. Hearn



**The synthesis of compounds related to the indole–indoline core of the vinca alkaloids (+)-vinblastine and (+)-vincristine** pp 4780–4783

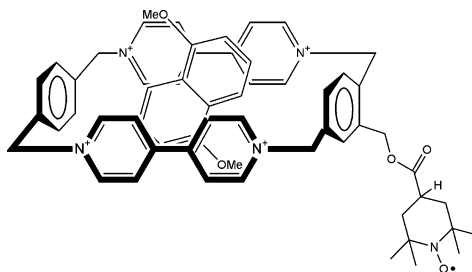
Michael J. Harvey, Martin G. Banwell \*, David W. Lupton



Analogs, **9**, of the indole–indoline core of the title alkaloids have been prepared, via intermediates **10**, from  $\alpha$ -iodo ketones of the general form **11**.

**Synthesis and characterization of a paramagnetic receptor based on cyclobis(paraquat-*p*-phenylene) tetracation** pp 4784–4787

Andrea Margotti, Costanza Casati, Marco Lucarini, Elisabetta Mezzina \*

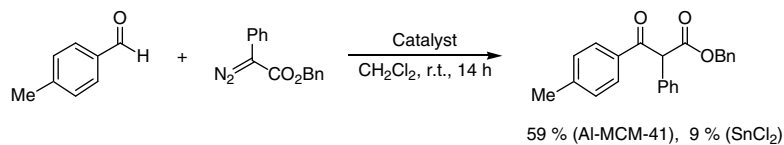


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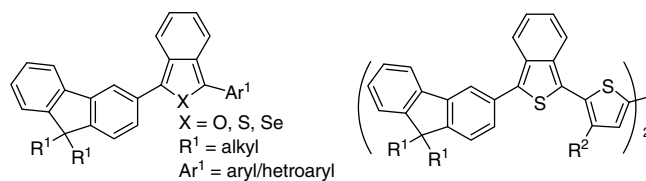
Hiroaki Murata, Haruro Ishitani, Masakazu Iwamoto \*





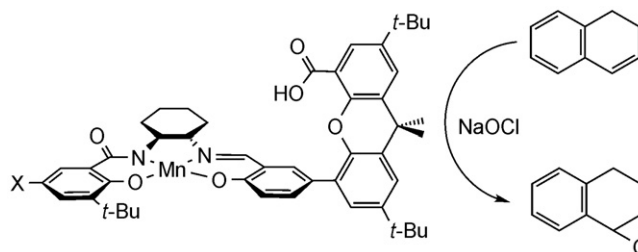
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Arasambattu K. Mohanakrishnan<sup>\*</sup>, Natarajan Senthil Kumar, P. Amaladass



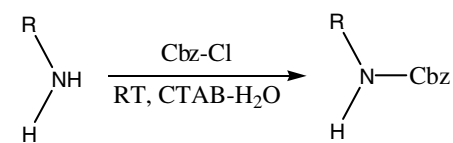
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Jenny Y. Yang, Daniel G. Nocera<sup>\*</sup>



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Janhavi J. Shrikhande, Manoj B. Gawande, Radha V. Jayaram<sup>\*</sup>



R = alkyl, aryl

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\*Corresponding author

+ Supplementary data available via ScienceDirect

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