

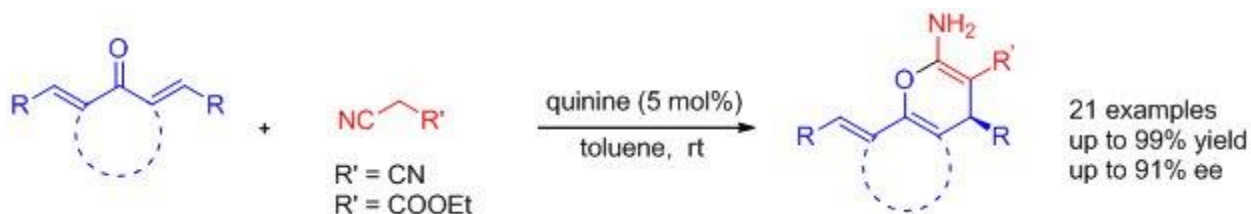
ARKIVOC Volume 2013
Part (iii): General Papers

1. Quinine-catalyzed enantioselective tandem conjugate addition/intramolecular cyclization of malononitrile and 1,4-dien-3-ones (13-7574YP)

Zhi-Peng Hu, Jian Li, Xiao-Gang Yin, Xue-Jing Zhang and Ming Yan

Full Text: [PDF \(885K\)](#)

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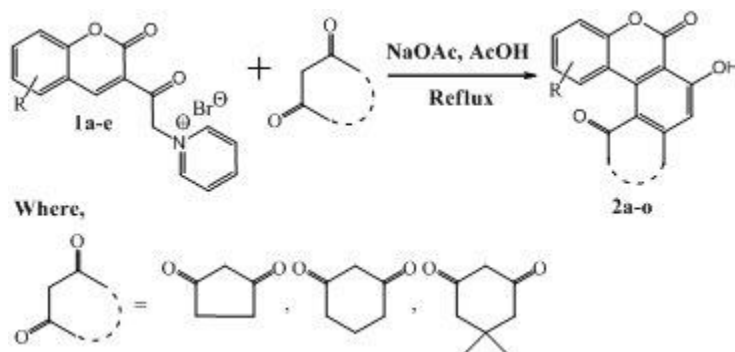
received Jun 7 2012; accepted Dec 9 2012; published Feb 22 2013;

2. A one pot synthesis of fused chromenones (13-7785GP)

Kaushal P. Patel

Full Text: [PDF \(481K\)](#)

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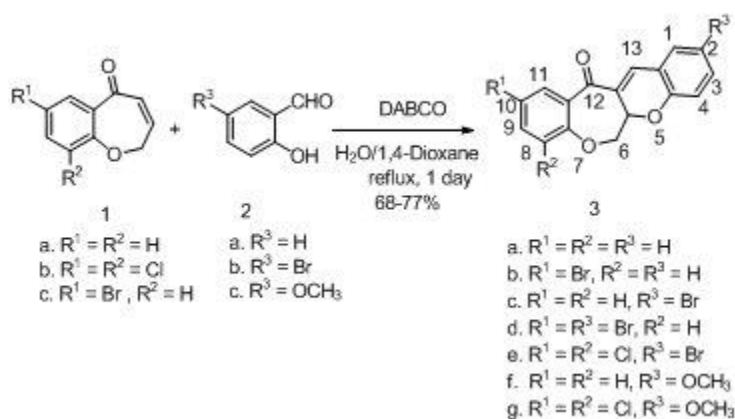
received Oct 1 2012; accepted Jan 5 2013; published Feb 22 2013;

3. Synthesis of novel four-fused-ring chromeno-benzoxepinones from salicylaldehydes and 1-benzoxepin-5-ones via the oxa-Michael reaction/aldol condensation (13-7857UP)

Po-Yuan Chen, Chia-Ying Zhon, Hsing-Ming Chen, Chih-Hui Yang, Tzu-Pin Wang and Eng-Chi Wang

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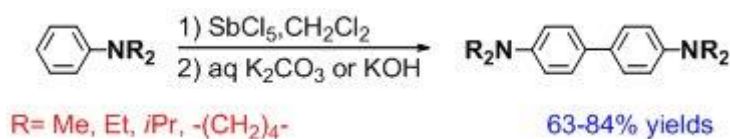
received Nov 5 2012; accepted Jan 5 2013; published Feb 24 2013;

4. Synthesis of *N,N,NÂ',NÂ'*-tetraalkylbenzidines through oxidative coupling of *N,N*-dialkylarylamines induced by $SbCl_5$ (13-7851ZP)

Paola Vitale, Leonardo Di Nunno and Antonio Scilimati

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received Nov 3 2012; accepted Jan 22 2013; published Mar 23 2013;

5. An efficient approach to the cyclotrimerisation of alkynes: solvent-free synthesis of 1,3,5-trisubstituted benzenes using *p*-toluenesulfonic acid monohydrate (13-7783UP)

Qi Gao, Fang-ping Bao, Xiao-jing Feng, Ying-ming Pan, Heng-shan Wang and Dian-peng Li

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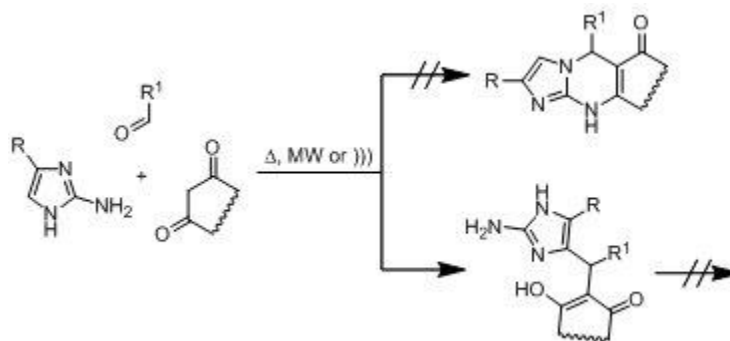
received Sep 28 2012; accepted Nov 25 2012; published Mar 24 2013;

6. Unusual direction of three-component reaction involving 2-amino-4-arylimidazoles and carbonyl compounds leading to Knoevenagel-Michael adducts (13-7792UP)

Anastasiya Yu. Andriushchenko, Vyacheslav E. Saraev, Svetlana V. Shishkina, Oleg V. Shishkin, Vladimir I. Musatov, Sergey M. Desenko and Valentin A. Chebanov

Full Text: [PDF \(633K\)](#)

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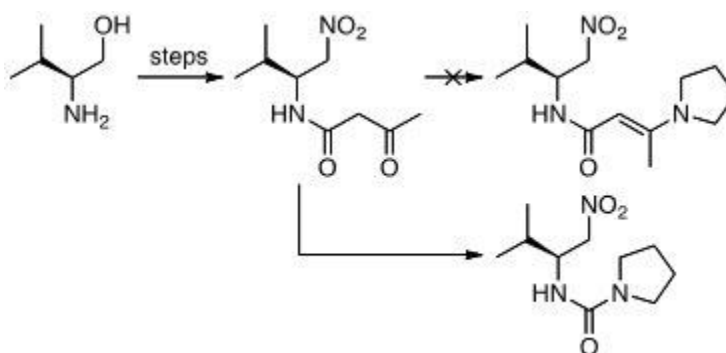
received Oct 5 2012; accepted Dec 13 2012; published Mar 31 2013;

7. Explorations of an intramolecular route to pyrrolo[3,4-*b*]isoxazoles: an unexpected retro-Claisen reaction (13-7816JP)

Raymond C. F. Jones, Carole C. M. Law and Mark R. J. Elsegood

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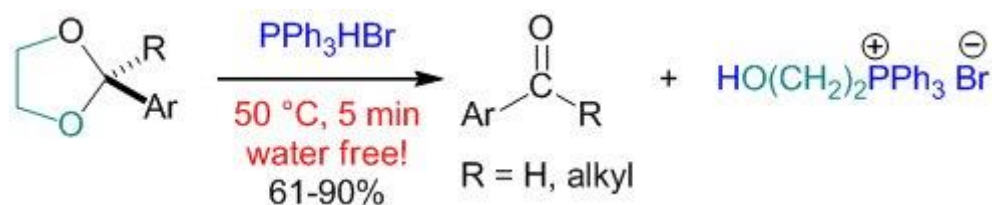
received Oct 22 2012; accepted Dec 9 2012; published Apr 7 2013;

8. Phosphonium salts and aldehydes from the convenient, anhydrous reaction of aryl acetals and triphenylphosphine hydrobromide (13-7775YP)

Mani Ramanathan and Duen-Ren Hou

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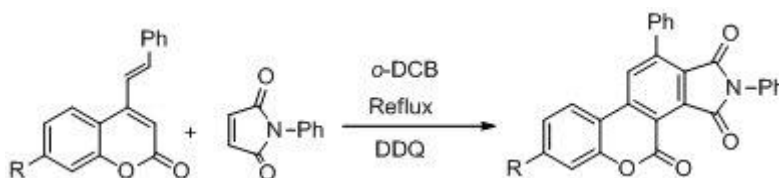
received Sep 22 2012; accepted Dec 14 2012; published Apr 7 2013;

9. Synthesis of fluorescent dibenzopyranones by the Diels-Alder reaction of 4-styrylcoumarins and *N*-phenylmaleimide and in situ aromatization using DDQ (13-7738JP)

Kailas K. Sanap and Shriniwas D. Samant

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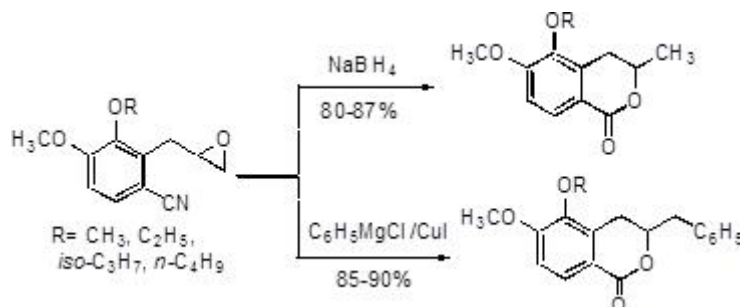
received Aug 24 2012; accepted Dec 14 2012; published Apr 7 2013;

10. Reaction of *o*-(oxiranylmethyl)benzonitriles with sodium borohydride or Grignard reagent/CuI: a new synthesis of substituted 3-alkyl-3,4-dihydroisocoumarins (13-7858GP)

Po-Yuan Chen, You-Feng Wang, Liang-Yeu Chen, Guan-Lun Wang and Eng-Chi Wang

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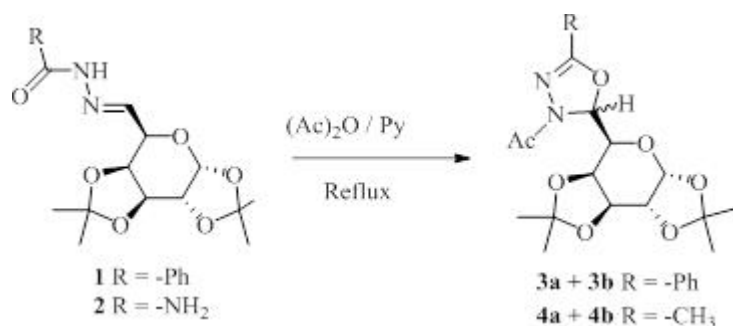
received Nov 5 2012; accepted Feb 19 2013; published Apr 13 2013;

11. Cyclization of 1,2:3,4-di-*O*-isopropylidene- α -D-galacto-1,6-hexodialdo-1,5-pyranose acylhydrazone and semicarbazone (13-7868NP)

Miriam A. Martins Alho, Ricardo Baggio and Norma B. D'Accorso

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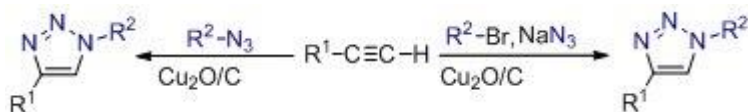
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12. Cuprous oxide on charcoal-catalyzed ligand-free, synthesis of 1,4-disubstituted 1,2,3-triazoles via click chemistry (13-7726BP)

Susana Rojas-Lima, Heraclio L³pez-Ruiz, Jos³ Emilio de la Cerda-Pedro, Susana Rojas-Lima, Imelda P³rez-P³rez, Brianda Viridiana Rodr³guez-S³inchez, Rosa Santill³n and Oscar Core³o

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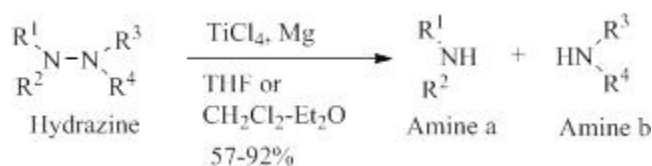
13. Reduction of hydrazines to amines with low-valent titanium reagent (13-7870DP)

Fang Ren, Yan Zhang, Lan Hu and Meiming Luo

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14. Investigations on the synthesis and chemiluminescence of novel 2-coumaranones (13-7906JP)

Stefan Schramm, Dieter WeiÃŸ, Isabelle Navizet, Daniel Roca-SanjuÃ¡n, Herbert Brandl, Rainer Beckert and Helmar GÃ¶rls

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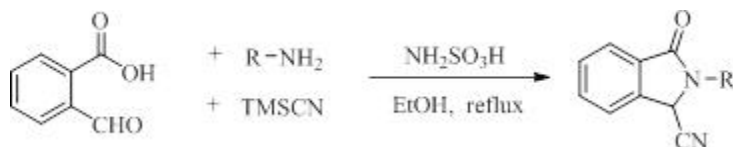
15. A facile and efficient method for the synthesis of *N*-substituted-3-oxoisindoline-1-carbonitrile derivatives catalyzed by sulfamic acid (13-7675IP)

Ling-Jun Hu, Zha-Jun Zhan, Min Lei and Li-Hong Hu

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Supplementary Material: [PDF \(5,099K\)](#)

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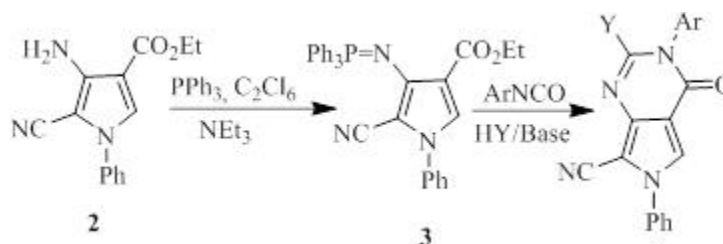
received Jul 23 2012; accepted Mar 28 2013; published Apr 26 2013;

16. An efficient synthesis of 2,3,6,7-tetrasubstituted 4,6-dihydro-4-oxo-3H-pyrrolo[3,4-d]pyrimidin-7-carbonitrile derivatives (13-7891GP)

Ping He, Zai-Fang Li, Qiu-Fei Hou, Yan-Ling Wang and Kun Zhao

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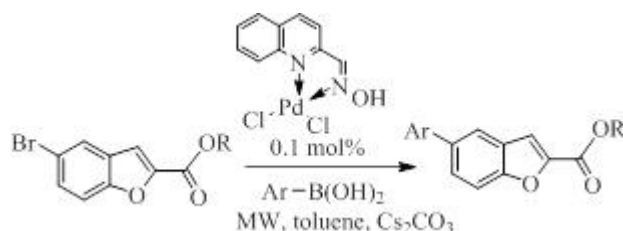
received Nov 21 2012; accepted Feb 18 2013; published Apr 26 2013;

17. Microwave-assisted synthesis of 5-arylbenzofuran-2-carboxylates via Suzuki coupling using 2-quinolinealdoxime-Pd(II)-complex (13-7880ZP)

Kamal M. Dawood, Ahmad M. Farag, Moteaa M El-Deftar, Michael G. Gardiner and Hatem A Abdelaziz

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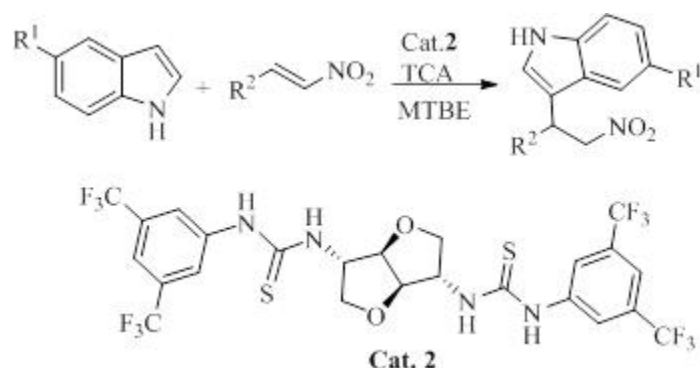
18. Dianhydrohexitols: new tools for organocatalysis. Application in enantioselective Friedel-Crafts alkylation of indoles with nitroalkenes (13-7965VP)

Ling-Yan Chen, Stéphanie Guillarme and Christine Saluzzo

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Supplementary Material: [PDF \(1,338K\)](#)

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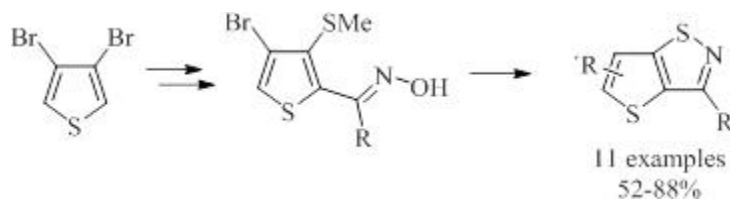
received Jan 7 2013; accepted Mar 24 2013; published Apr 26 2013;

19. Synthesis of substituted thieno[2,3-*d*]isothiazoles as potential plant activators (13-7944SP)

Thomas Dvorak, Lisa-Maria Rečnik, Michael Schnitzler, Kurt Mereiter, Marko D. Mihovilovic and Peter Stanetty

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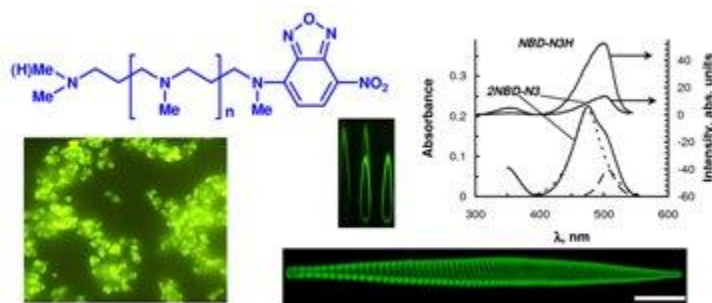
received Dec 19 2012; accepted Mar 28 2013; published May 8 2013;

20. New fluorescent derivatives of oligopropylamines (13-7760QP)

Elena N. Danilovtseva, Ol'ga N. Verkhozina, Stanislav N. Zelinskiy, Nikolay A. Ivanov, Pavel Yu. Tsiganov, Tatiana N. Basharina and Vadim V. Annenkov

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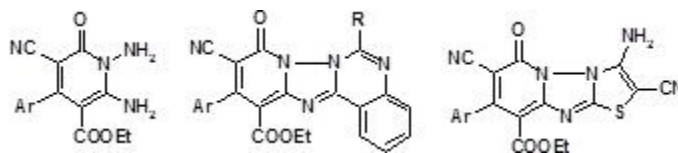
received Sep 10 2012; accepted Feb 3 2013; published May 11 2013;

21. Synthesis, characterization and antimicrobial evaluation of the novel pyrido[1',2':2,3][1,2,4]triazolo[1,5-c]quinazolines and thiazolo[3',2':2,3][1,2,4]triazolo[1,5-a]pyridines (13-7884MP)

Azza Mohamed El-Kazak and Magdy A. Ibrahim

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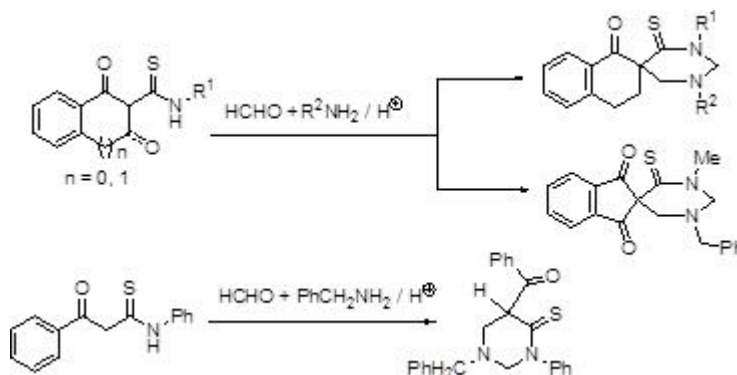
22. Facile and efficient synthesis of 4'-thioxo-1',3,3',4,4',6' -hexahydro-1H,2'H-spiro[naphthalene-2,5'-pyrimidin]-1-ones in a three-component Mannich-type reaction (13-7912OP)

Tadeusz Stefan Jagodziński and Sławomir Westerlich

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Supplementary Material: [PDF \(2,589K\)](#)

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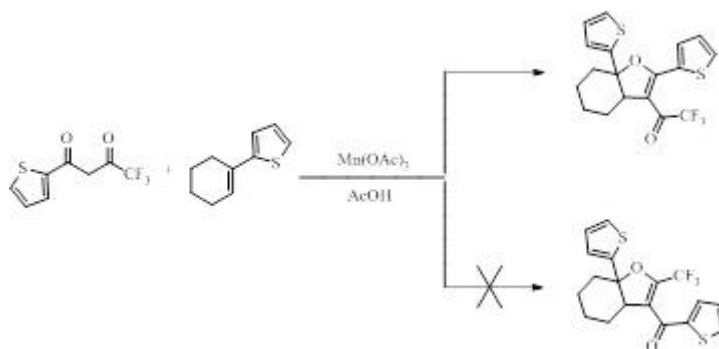
received Dec 3 2012; accepted Apr 25 2013; published Jun 11 2013;

23. Synthesis of trifluoromethylated dihydrofurans by addition of 1,3-dicarbonyl compounds to alkenes promoted by manganese(III) acetate (13-7877YP)

Emre BiÅŖer and Mehmet Yılmaz

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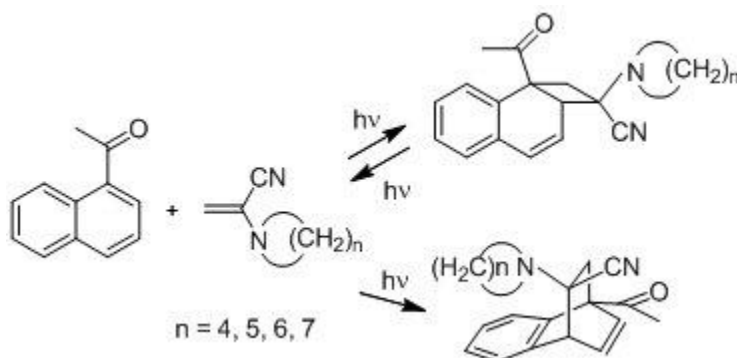
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24. Photocycloaddition of four homologous 2-(cycloamino)propenenitriles to 1-acetonaphthone (13-8085JP)

Dietrich Döpp, Claudia Kruse, Ayman W. Erian and Michael Pies

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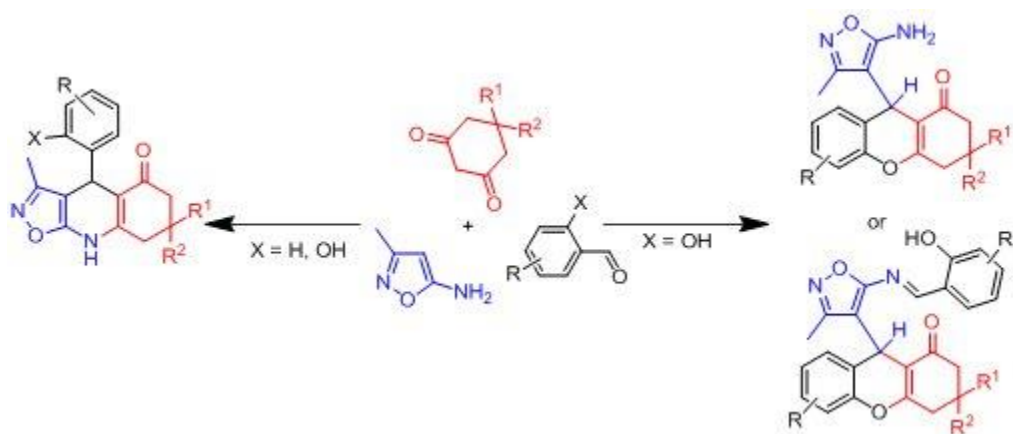
25. Behavior of 5-amino-3-methylisoxazole in multicomponent heterocyclizations with carbonyl compounds under thermal heating and non-classical conditions (13-8093SP)

Elena A. Muravyova, Volodymyr V. Tkachenko, Sergey M. Desenko, Yulia V. Sen'ko, Thomas J.J.

Müller, Elena V. Vashchenko and Valentin A Chebanov

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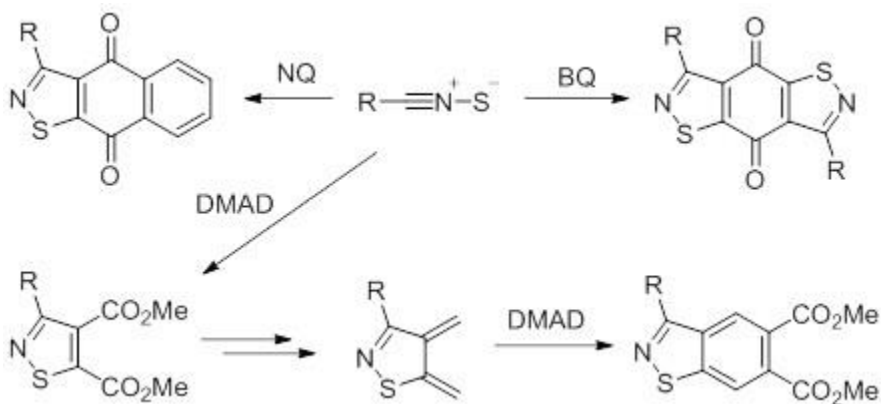
received Mar 19 2013; accepted May 24 2013; published Jun 16 2013;

26. Nitrile sulfides Part 16. Synthesis of 1,2-benzisothiazoles via nitrile sulfide cycloaddition reactions (13-8052SP)

John F. Ross, Christina Delipala, Matthew C. Watson, John Crosby and R. Michael Paton

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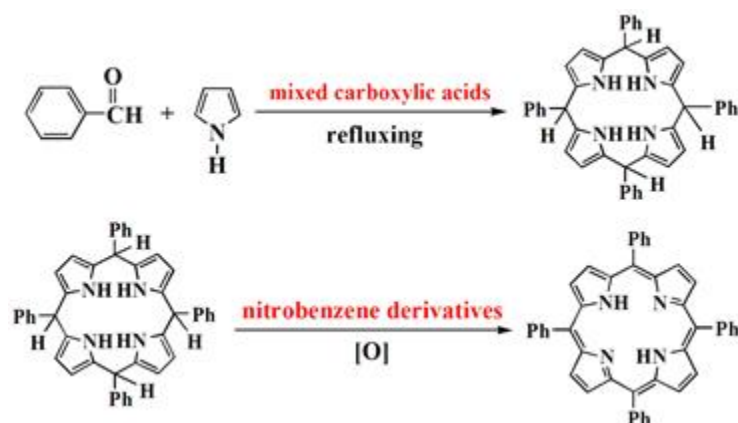
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27. Synthesis of substituted *meso*-tetraphenylporphyrins in mixed solvent systems (13-8097QP)

Zhicheng Sun, Yuanbin She, Meijuan Cao, Qing Zhou, Xingmei Lu and Suojia Zhang

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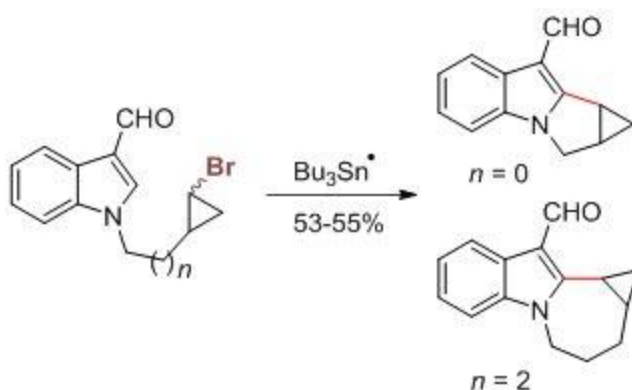
28. Bu_3SnH -mediated cyclopropyl radical cyclizations onto indole-3-carbaldehyde (13-8208UP)

Karen Fahey, Robert Coyle, Patrick McArdle and Fawaz Aldabbagh

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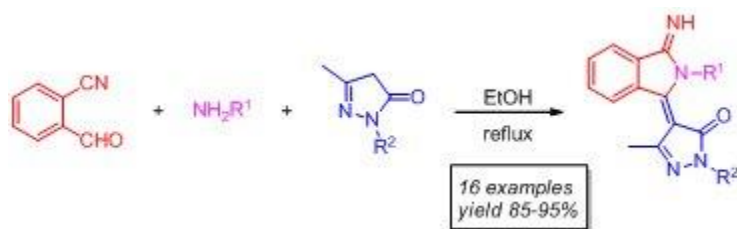
29. Catalyst-free one-pot synthesis of isoindolin-1-imine derivatives via three-component reaction (13-7992UP)

Sida Shen, Pham Van Khang, Yijia Chen, Min Lei and Lihong Hu

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Supplementary Material: [PDF \(2,219K\)](#)

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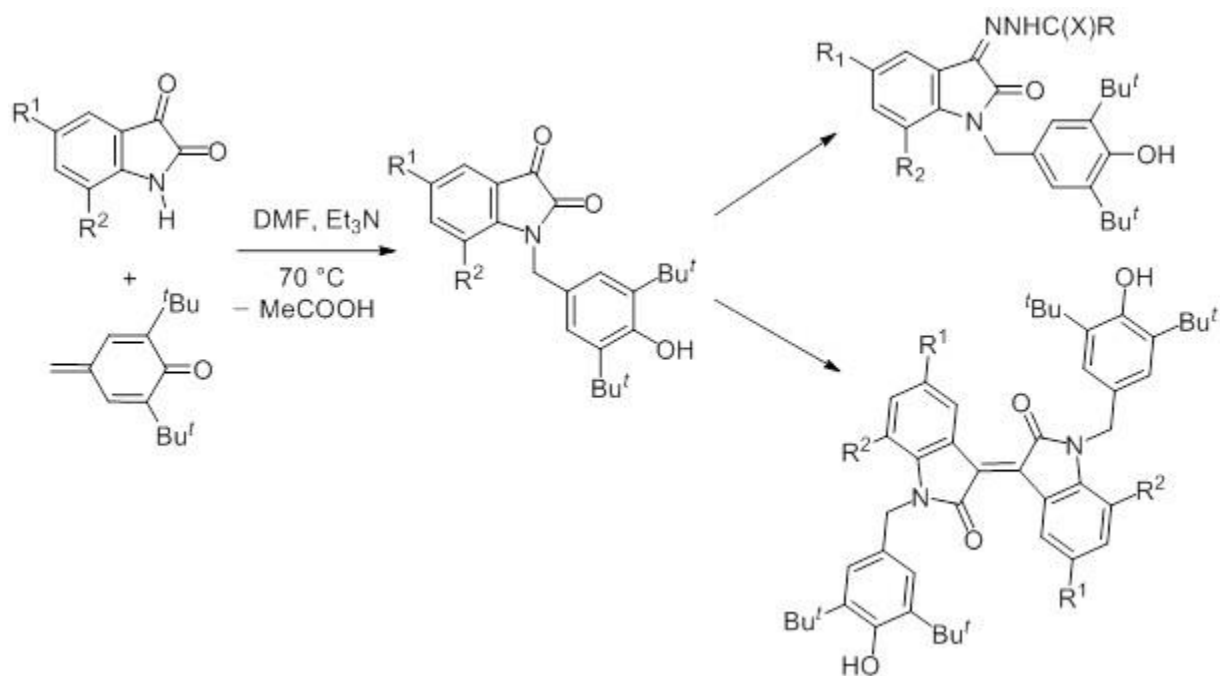
received Jan 23 2013; accepted Jun 1 2013; published Jun 23 2013;

30. A catalyst-free and easy nucleophilic addition of certain isatins to sterically hindered 2,6-di-*tert*-butyl-4-methylenecyclohexa-2,5-dienone (13-7970IP)

Andrei V. Bogdanov, Sergei V. Bukharov, Yulia N. Oludina, Lenar I. Musin, Gulnara N. Nugumanova, Viktor V. Syakaev and Vladimir F. Mironov

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