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Tetrahedron Letters Vol. 55, Issue 43, 2014

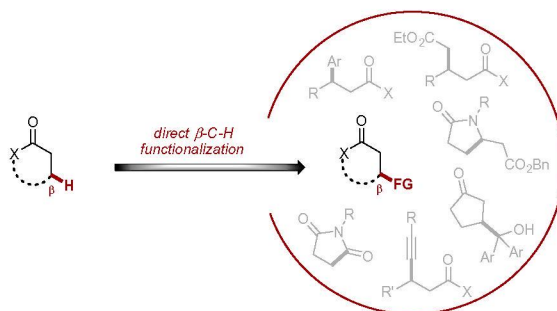
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Catalytic C–C bond forming transformations via direct β -C–H functionalization of carbonyl compounds

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Zhongxing Huang, Guangbin Dong*

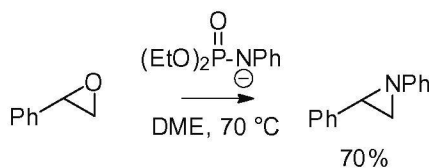


COMMUNICATIONS

Direct conversion of epoxides into aziridines with *N*-arylphosphoramidates

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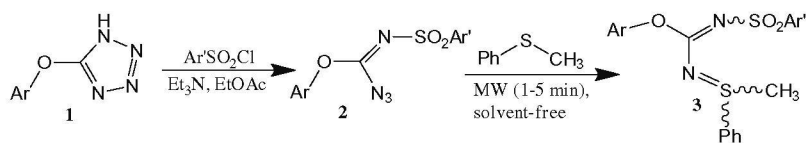
Fabrizio Minicone, Wendy J. Rogers, James F. J. Green, Mommna Khan, Geoffrey M. T. Smith, Christopher D. Bray*



A facile method for the synthesis of novel imidoil iminosulfuranes from imidoil azides

pp 5892–5894

Fahimeh Movahedifar, Ali Reza Modarresi-Alam*, Behzad Hosseinzadeh



a: Ar = 3-MeC₆H₄, Ar' = 4-MeC₆H₄, b: Ar = 3-MeC₆H₄, Ar' = 4-BrC₆H₄,
 c: Ar = 4-MeC₆H₄, Ar' = 4-MeC₆H₄, d: Ar = 4-MeC₆H₄, Ar' = C₆H₅,
 e: Ar = 3-MeC₆H₄, Ar' = C₆H₅

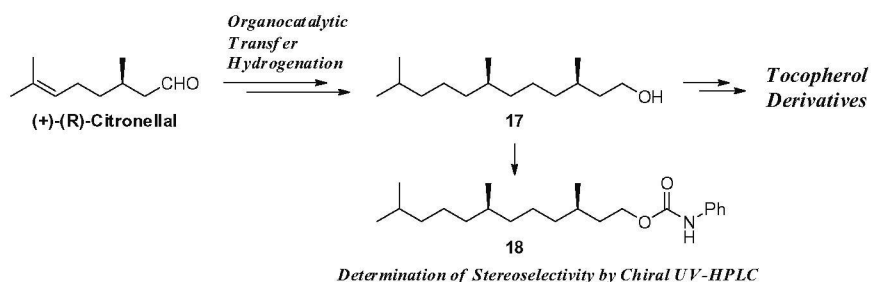
yield = 87-92%



Tocopherol side chain synthesis via asymmetric organocatalytic transfer hydrogenation and convenient measurement of stereoselectivity

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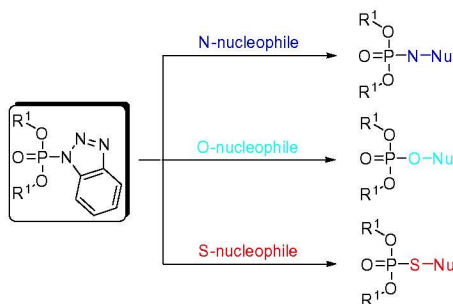
Hyunji Lee, You-Kyoung Lee, Dong-Guk Kim, Mi-Sun Son, Tae-gyu Nam*, Byeong-Seon Jeong*



New benzotriazole-based reagents for the phosphorylation of various *N*-, *O*-, and *S*-nucleophiles

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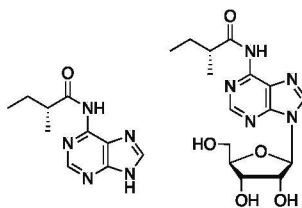
Deepak S. Panmand, Anand D. Tiwari, Siva S. Panda*, Jean-Christophe M. Monbaliu, Lucas K. Beagle, Abdullah M. Asiri, Christian V. Stevens, Peter J. Steel, C. Dennis Hall*, Alan R. Katritzky



Isolation and synthesis of *N*-acyladenine and adenosine alkaloids from a southern Australian marine sponge, *Phoriospongia* sp.

pp 5902–5904

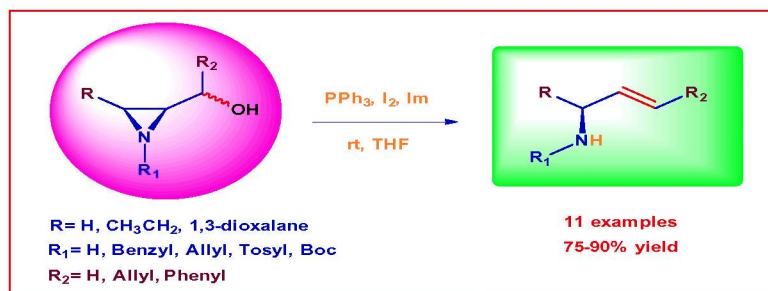
Michelle Farrugia, Nicholas Trotter, Soumini Vijayarathy, Angela A. Salim, Zeinab G. Khalil, Ernest Lacey, Robert J. Capon*



Efficient and mild method for preparation of allylic amines from aziridine-2-alcohols using PPh_3/I_2 /imidazole

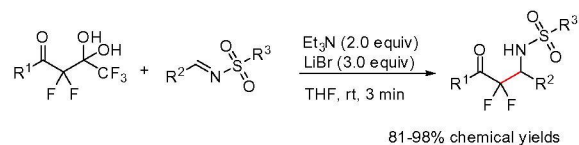
pp 5905–5907

Subhash P. Chavan*, Lalit B. Khairnar, Prakash N. Chavan

Allylic amines are synthesized in good to excellent yields by treatment of aziridine-2-alcohols with PPh_3/I_2 /imidazole.

Operationally convenient method for preparation of sulfonamides containing α,α -difluoro- β -amino carbonyl moiety pp 5908–5910

Chen Xie, Lingmin Wu, Haibo Mei, Vadim A. Soloshonok, Jianlin Han*, Yi Pan*

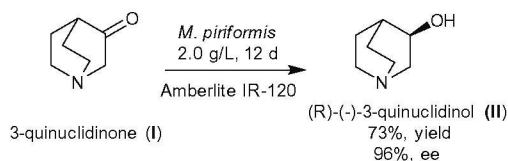


A new efficient reaction between in situ generated unprotected α,α -difluoroenolates with various *N*-sulfonyl imines was reported, which was carried out under operationally convenient conditions affording a novel type of fluorinated sulfonamides of high pharmaceutical potential with excellent chemical yields.

**Fungi mediated production and practical purification of (R)-(-)-3-quinuclidinol**

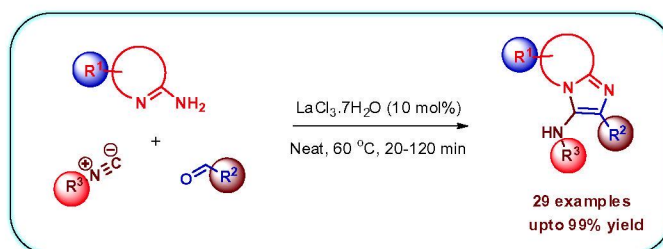
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Swati P. Kolet, Dipesh D. Jadhav, Balaraman Priyadarshini, Bhagyashree N. Swarge, Hirekodathakallu V. Thulasiram*

**A highly efficient synthesis of imidazo-fused polyheterocycles via Groebke–Blackburn–Bienaymè reaction catalyzed by $\text{LaCl}_3 \cdot 7\text{H}_2\text{O}$**

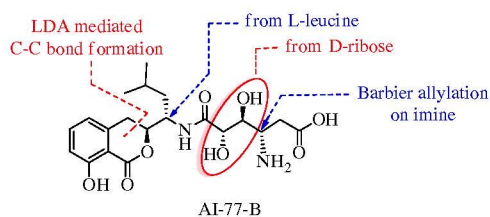
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Anand H. Shinde, Malipatel Srilaxmi, Bishnupada Satpathi, Duddu S. Sharada*

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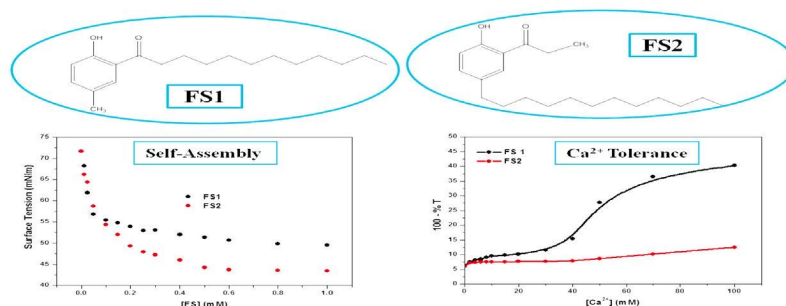
Maddimsetti Venkateswara Rao, Batchu Venkateswara Rao*, Bokka Ramesh



Head group specificity of novel functionalized surfactants: synthesis, self-assembly and calcium tolerance

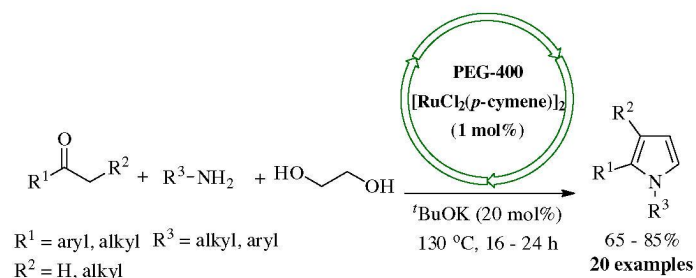
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Deboleena Sarkar*, Ravi Kant Shukla, Vijay Gadgil, Amitava Pramanik

**Multicomponent reactions in PEG-400: ruthenium-catalyzed synthesis of substituted pyrroles**

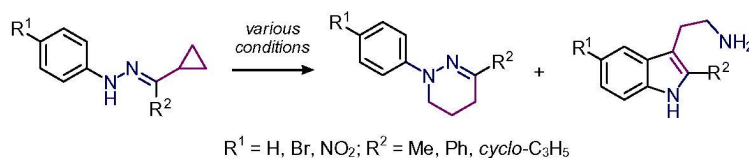
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Srivari Chandrasekhar*, Vidyavathi Patro, Lahu N. Chavan, Rambabu Chegondi, René Grée

**The rearrangement of cyclopropylketone arylhydrazones. Synthesis of tryptamines and tetrahydropyridazines**

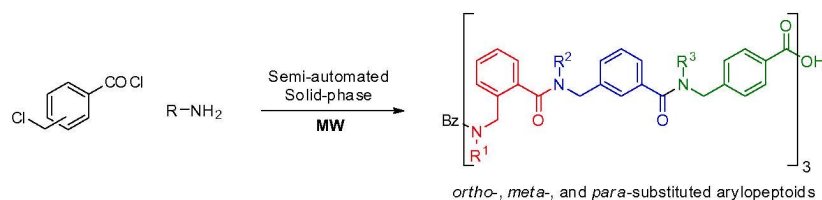
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**Rapid and convenient semi-automated microwave-assisted solid-phase synthesis of arylopeptoids**

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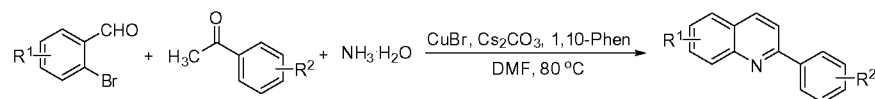
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Synthesis of substituted quinoline via copper-catalyzed one-pot cascade reactions of 2-bromobenzaldehydes with aryl methyl ketones and aqueous ammonia

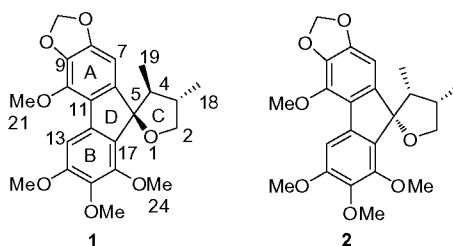
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Bin Li, Chenhao Guo, Xuesen Fan*, Ju Zhang, Xinying Zhang

**Two novel polycyclic spiro lignans from *Gymnotheca involucrata***

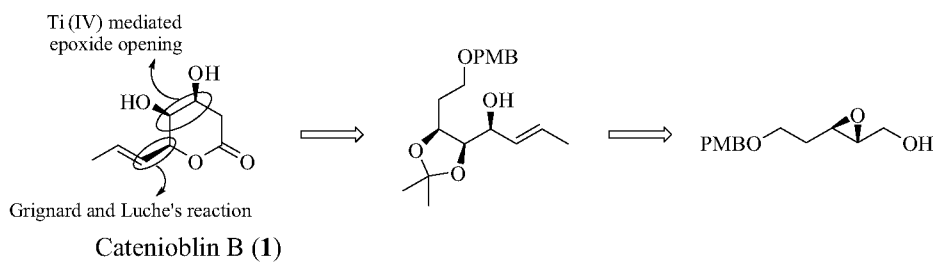
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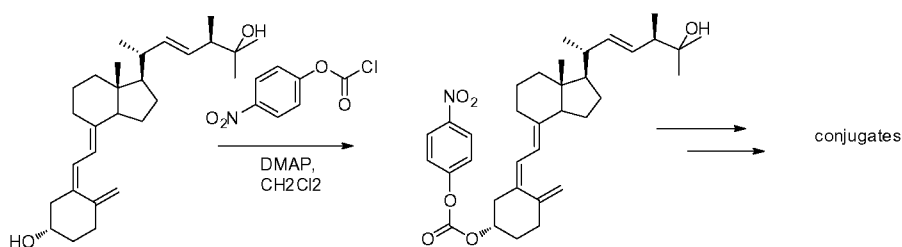
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**New methodology for the synthesis of 25-hydroxyvitamin D conjugates**

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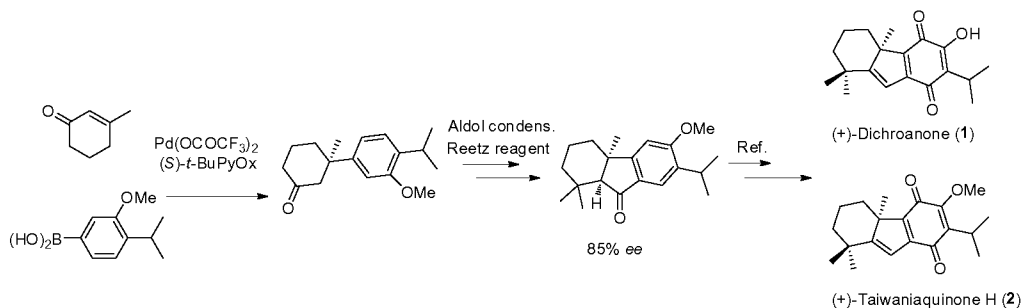
Jonathan Grote*, Susan Gayda



Catalytic asymmetric formal total synthesis of (+)-dichroanone and (+)-taiwaniaquinone H

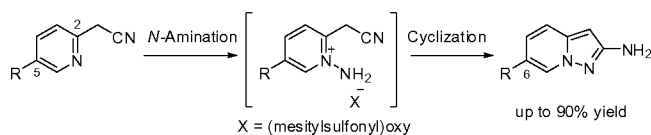
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**Direct access to 2-aminopyrazolo[1,5-a]pyridines via N-amination/cyclization reactions of 2-pyridineacetonitriles**

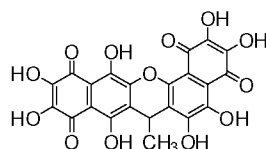
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Yosuke Nishigaya, Kentaro Umei, Eri Yamamoto, Yasushi Kohno, Shigeki Seto*

**Mirabiquinone, a new unsymmetrical binaphthoquinone from the sea urchin *Scaphechinus mirabilis***

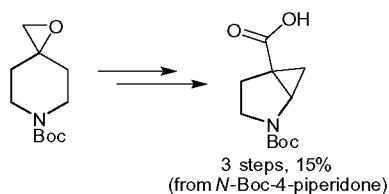
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Electrospun copper oxide nanoparticles as an efficient heterogeneous catalyst for N-arylation of indole

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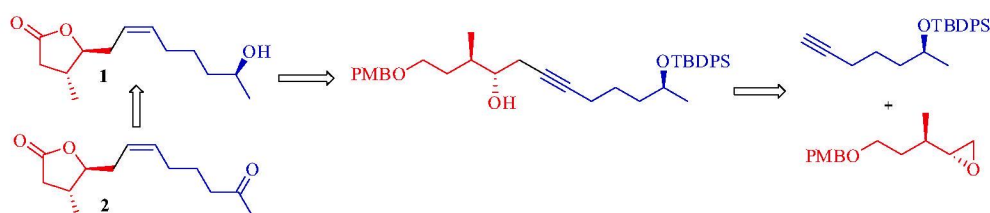
Abdullah Khalil, Aziz Fihri, Mustapha Jouiad*, Raed Hashaikeh*



Total synthesis of two γ -butyrolactone containing compounds (*Z*,11*S*)-3,4-*trans*-11-hydroxy-3-methyldodec-*cis*-6-en-4-olide and (*Z*)-3,4-*trans*-11-oxo-3-methyldodec-*cis*-6-en-4-olide

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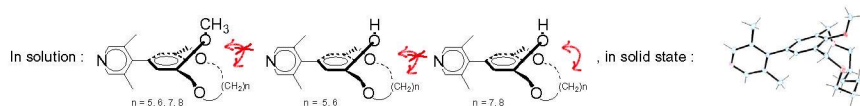
Rajesh Nomula, Galla Raju, Palakodety Radha Krishna*



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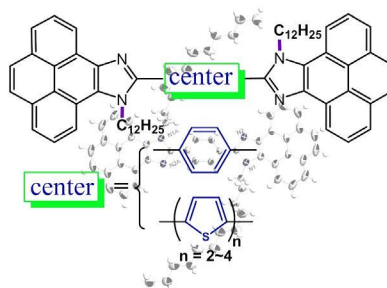
Emel Ay, Didier Le Nouën, H el ene Chaumeil*, Markus Neuburger, Th eophile Tschamber, Patrice Jacques



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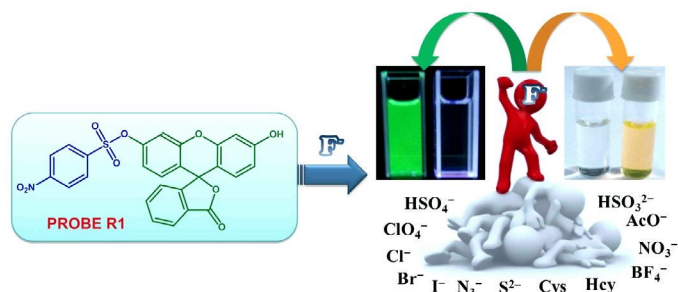
Yu-Xin Peng, Yuan Dai, Na Wang, Wei Huang*



A reaction based chromofluorogenic turn-on probe for specific detection of fluoride over sulfide/thiols

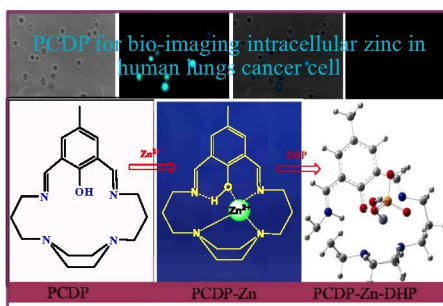
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Sharad Kumar Asthana, Ajit Kumar, Neeraj*, K. K. Upadhyay*

**A macrocyclic piperazine linked extremely Zn^{2+} selective fluorescent chemosensor with bio-imaging and for H_2PO_4^- sensing**

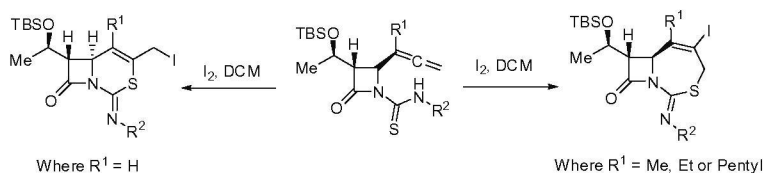
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Shyamaprosad Goswami*, Sibaprasad Maity, Annada C. Maity, Avijit Kumar Das, Kalyani Khanra, Tarun Kanti Mandal, Nandan Bhattacharyya

**First iodocyclization reaction of allene–thioureas: an efficient approach to bicyclic β -lactams**

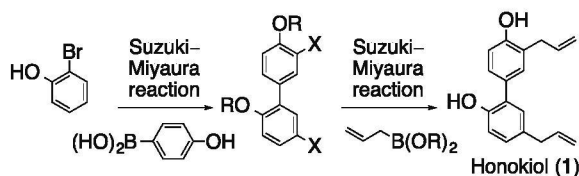
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**Efficient synthesis of neurotrophic honokiol using Suzuki–Miyaura reactions**

pp 6001–6003

Kenichi Harada*, Chiharu Arioka, Akina Miyakita, Miwa Kubo, Yoshiyasu Fukuyama*



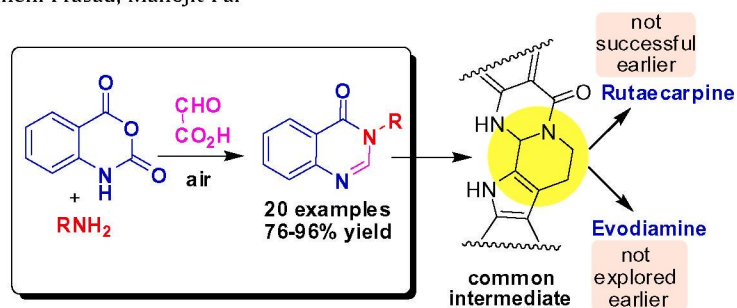
Total 74% over 5 steps or 83% over 4 steps.



Glyoxylic acid in the reaction of isatoic anhydride with amines: a rapid synthesis of 3-(un)substituted quinazolin-4(3H)-ones leading to rutaecarpine and evodiamine

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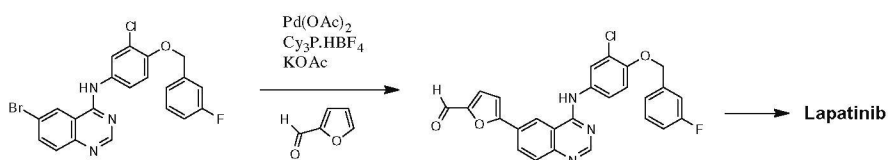
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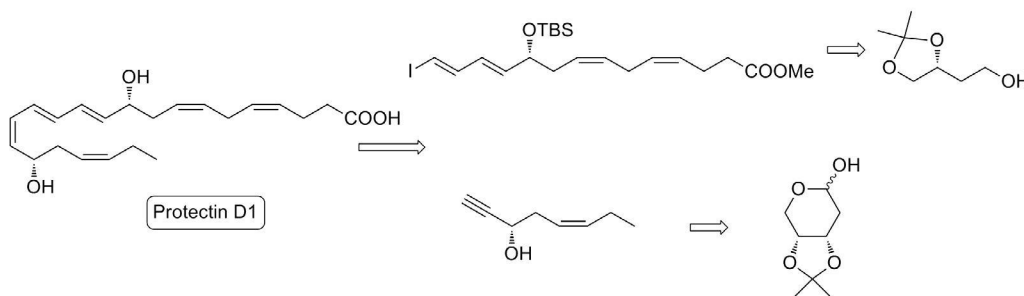
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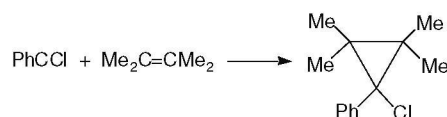
Ana R. Rodriguez, Bernd W. Spur*




Dependence of activation parameters for phenylchlorocarbene–alkene additions on alkane solvent chain length

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Robert A. Moss*, Lei Wang, Karsten Krogh-Jespersen*



*Corresponding author

 Supplementary data available via ScienceDirect

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