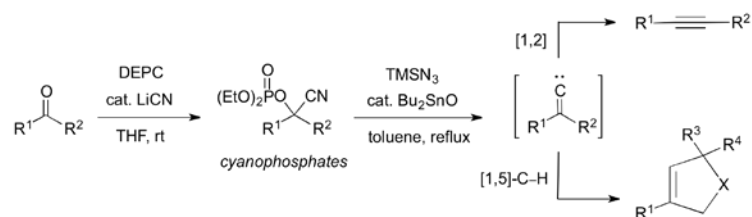


■ REVIEW

2037 Tetrazole-Fragmentation for the Generation of Alkylidene Carbenes from Cyanophosphates under Neutral Conditions and Its Application to Organic Synthesis

Hiroki Yoneyama and Shinya Harusawa*

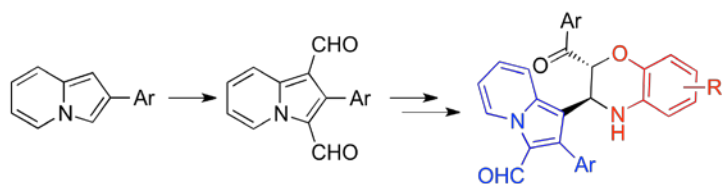


Tetrazole Fragmentation Alkylidene Carbene Cyanophosphate Neutral Condition

■ PAPERS

2079 Regiospecific Synthesis of 1-(3,4-Dihydro-2H-benzo[b]-[1,4]oxazin-3-yl)indolizine Derivatives Through a Three-Step Sequence from 2-Arylindolizine

Min Zhang, Xinwei He, Shanqing Li, and Yongjia Shang*

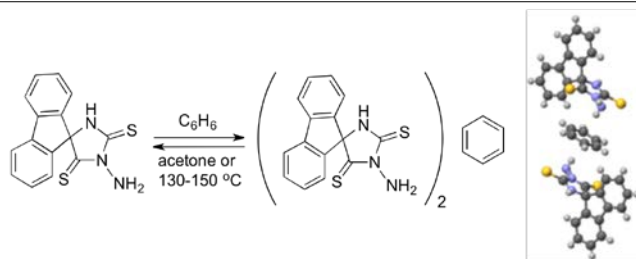


21 examples up to 86% yield

Indolizine 1,4-Benzoxazine Regiospecific Synthesis Organocatalysis

2087 Reversible Formation of an Inter-Molecular Compound Comprising 3'-Aminofluorene-9-spiro-5'-imidazolidine-2',4'-dithione and Benzene

Yorimasa Takazawa, Tatsuo Yamamoto, Mitsuaki Suzuki, and Tomomi Sakata*

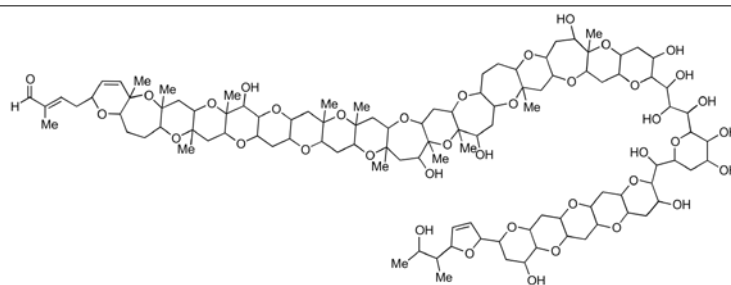


inter-molecular compound

Reversible Formation Inter-Molecular Compound 3'-Aminofluorene-9-spiro-5'-imidazolidine-2',4'-dithione Benzene

2096 Brevisulcenal-G, -H, and -I, Polycyclic Ether Marine Toxins from the Dinoflagellate *Karenia brevisulcata*

Masayuki Satake,* Raku Irie, Yuka Hamamoto, Kazuo Tachibana, Patrick T. Holland, D. Tim Harwood, Feng Shi, Veronica Beuzenberg, Yoshiyuki Itoh, Fumiaki Hayashi, and Huiping Zhang



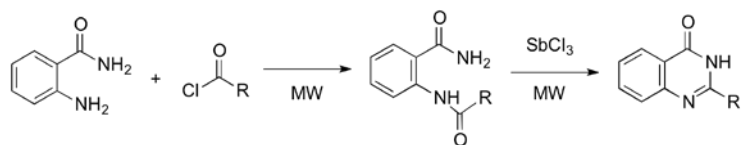
brevisulcenal-G

Polycyclic Ether Marine Toxin Dinoflagellate

■ SHORT PAPERS

2107 Facile and Solvent-Free Synthesis of Quinazolin-4(3H)-ones under Microwave Condition Promoted by SbCl₃

Jun Li, Weili Wang,* Xinglin Su, Xiaoling Zhang, Yan Zhang, Xuewen Zhang, Mengmeng Cai, Yuqian Cao, Juan Jin, and Yanbin Xu*

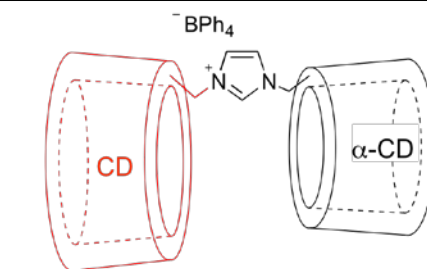


solvent-free
one-pot
3-5 min
10 examples
82-96% yields higher than thermal condition

Quinazolin-4(3H)-one SbCl₃ Microwave Irradiation Solvent-Free Reaction One-Pot Reaction

2111 Synthesis of Imidazolium Salts Bearing Two Cyclodextrins

Susumu Tsuda,* Yohei Minami, Ryoji Ueda, Takanori Iwasaki, Shin-ichi Fujiwara, Hitoshi Kuniyasu, and Nobuaki Kambe*

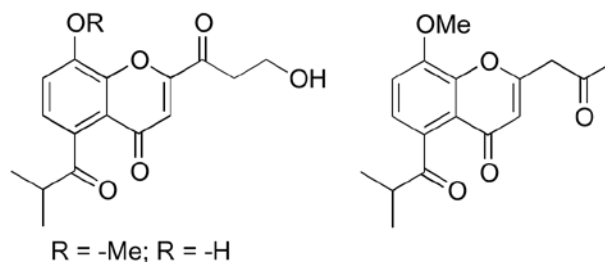


CD = α -CD or β -CD or γ -CD

Cyclodextrin CD Hetero Dimer Imidazolium Salt N-Heterocyclic Carbene

2119 Three New Chromone Derivatives from *Cassia pumila* and Their Anti-Tobacco Mosaic Virus Activity

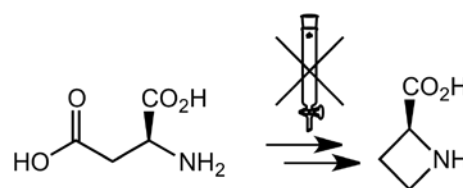
Guang-Hui Kong, Yu-Ping Wu, Yin-Ke Li, Jing Li, Wei-Song Kong, Xin Liu, Yong Xu, Guang-Yu Yang, Qiu-Fen Hu,* and Wan-Li Zeng*



Chromone Derivative *Cassia pumila* Anti-TMV Activity

2126 Multigram-Scale and Column Chromatography-Free Synthesis of L-Azetidine-2-carboxylic Acid for the Synthesis of Nicotianamine and Its Derivatives

Tomohiro Takaishi, Kyosuke Wakisaka, Christopher J. Vavricka, Hiromasa Kiyota, and Minoru Izumi*

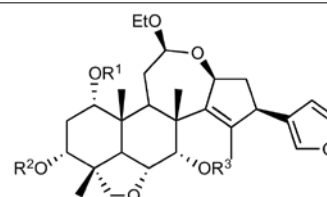


multigram-scale
column chromatography-free

L-Azetidine-2-carboxylic Acid Nicotianamine Column Chromatography-Free Synthesis Multigram-Scale Synthesis

2135 Three New Limonoids from the Fruits of *Melia toosendan*

Qiong Zhang,* Min Li, Qing-Hong Zheng, and Zhi-Da Min

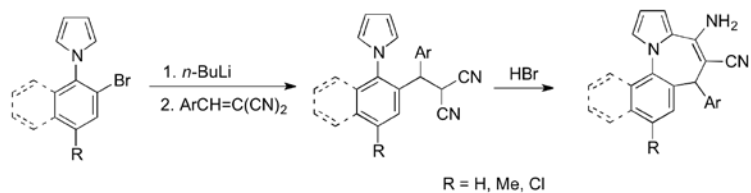


R ¹	R ²	R ³
Ac	Ac	Tig
Tig	Ac	Tig
H	Ac	H

Melia toosendan Meliaceae Limonoid Nimbolin

2143 Synthesis of 4-Amino-6-aryl-6H-pyrrolo[1,2-a][1]-benzazepine-5-carbonitriles from 1-(2-Bromophenyl)-1H-pyrroles and Arylidenemalononitriles

Kazuhiro Kobayashi,* Akane Nakajima, Takashi Nogi, and Takuma Ueyama



6H-Pyrrolo[1,2-a][1]benzazepine

Enamino Nitrile

2-(1H-Pyrrol-1-yl)phenyllithium

Arylidenemalononitrile

Bromine/Lithium Exchange

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

2155 Polyketides

2158 Aromatics

2161 Terpenes

2162 Alkaloids

2169 Miscellaneous

■ BRUSH UP YOUR HETEROCYCLES

2171 Brush Up Your Heterocycles

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