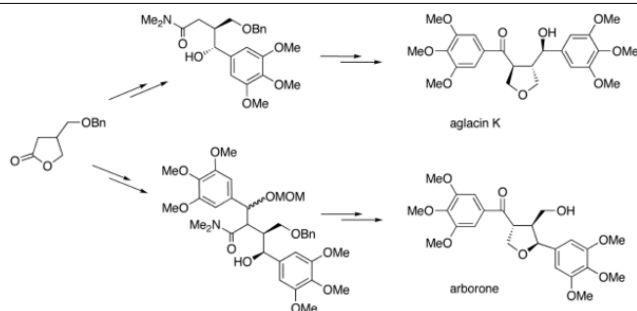


■ COMMUNICATION

2113 First Total Syntheses of New Phenylpropanoid Lignans, (±)-Aglacin K Stereoisomer and (±)-Arborone

Masaki Takahashi, Koji Takada, Daisuke Matsuura, Kunihiko Takabe, and Hidemi Yoda*

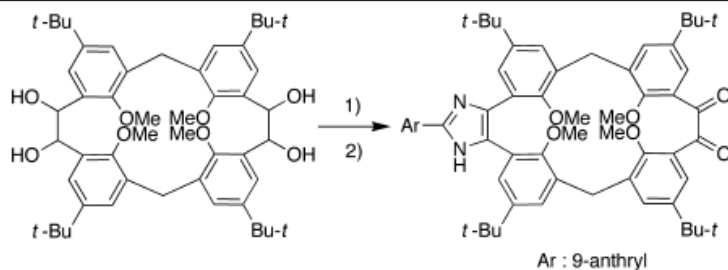


Lignan Phenylpropanoid Tetrahydrofuran Terpene Lactone Dihydroxyacetone

■ PAPERS

2119 Synthesis, Structure, and Fluorescent Properties of [2.1.2.1]Metacyclophane Containing 2-(9-Anthryl)imidazoles

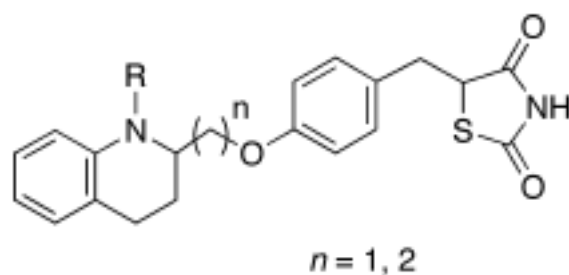
Yousuke Nishiyama, Tsuyoshi Sawada,* Akiko Furuta, Aiko Sato, Kazuhumi Chifuku, Yutaka Kuwahara, and Hideto Shosenji


 1) oxidation 2) 9-anthrylaldehyde, AcONH₄

2-(9-Anthryl)imidazole Metacyclophane Fluorescence Chromophore Clathrate Complex Ion Selectivity

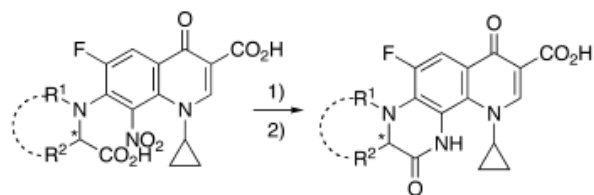
2131 Design, Synthesis, and Evaluation of Tetrahydroquinoline-Linked Thiazolidinedione Derivatives as PPAR γ Selective Activators

HyeSung Kim, Hyojin Gim, Mihi Yang, Jae-Ha Ryu, and Raok Jeon*


 PPAR γ Thiazolidinedione Tetrahydroquinoline Diabetes

2155 Heterocycles [β]-Fused onto 4-Oxoquinoline-3-carboxylic Acid, III. Facile Synthesis and Antitumor Activity of Model Heterocycles [α]-Fused onto Pyrido[2,3- β]quinoxaline-3-carboxylic Acids

Mohammad Y. Abu Shuheil, Mona R. Hassuneh, Yusuf M. Al-Hiari, Ali M. Qaisi, and Mustafa M. El-Abadelah*

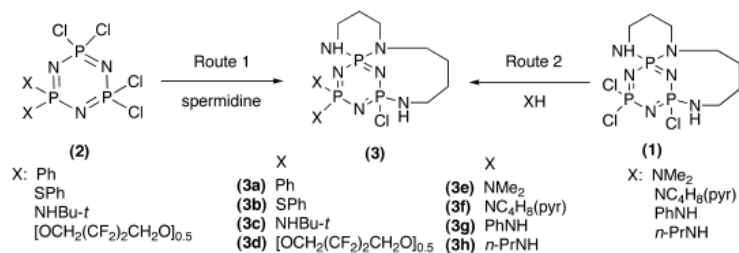

 1) Na₂S₂O₄, aq. K₂CO₃, 0-3 °C 2) aq. HCl

 R¹, R² = [CH₂]₃; CH₂(CHOH)CH₂; *o*-CH₂C₆H₄CH₂

 7-Chloro-8-nitro-4-oxoquinoline-3-carboxylic Acid *sec*- α -Amino Acid S_N-Ar Lactamization Pyrido[2,3- β]quinoxalinone

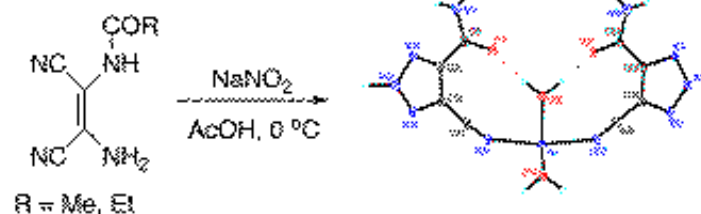
2173 Synthesis and Characterization of Some Fused Tricyclic Spermidine Derivatives of Cyclotriphosphazene

Hanife Ibisoglu*



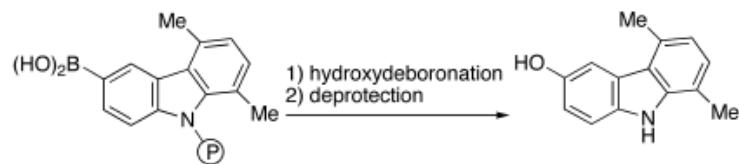
Fused Cyclotriphosphazene Nucleophilic Substitution Spermidine Derivative Hexachlorocyclotriphosphazene

2183 Novel 2*H*-1,2,3-Triazole Sodium Complex from *M*-[2-Amino-1,2-dicyanovinyl]alkanamides

 Amal Al-Azmi,* Paulson George, and
 Osman M. E. El-Dusouqi


DAMN Imidazole Diazotization Triazole-Na Complex X-Ray/DFT

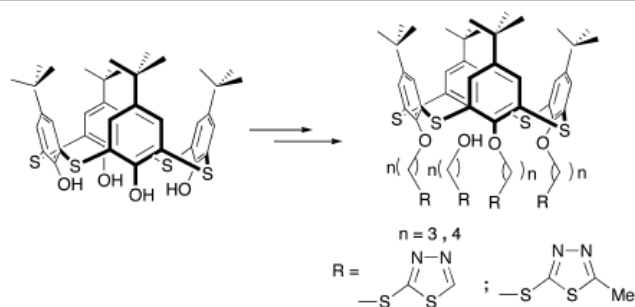
2203 Novel and Efficient Synthesis of 5,8-Dimethyl-9*H*-carbazol-3-ol *via* a Hydroxydeboronation Reaction

 Anna Caruso, Anne Sophie Voisin-Chiret,
 Jean-Charles Lancelot, Maria Stefania Sinicropi,
 Antonio Garofalo, and Sylvain Rault*


Ellipticine Analog 3-Hydroxycarbazole Hydrogen Peroxide Boronic Acid

2211 Synthesis and Structure of Thiacalix[4]arene Derivatives Bearing Thiazole Functional Groups at Lower Rims

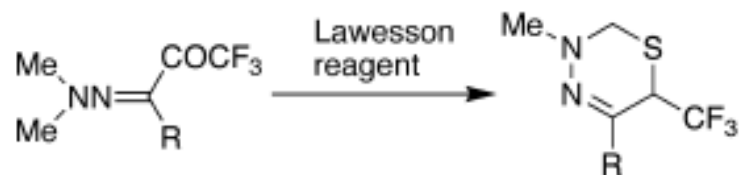
Bang-Tun Zhao,* Zhen Zhou, and Zhen-Ning Yan*



Thiacalix[4]arene Derivative Thiadiazole Synthesis Characterization X-Ray Diffraction

2219 Reaction of 3-Hydrazono-1,1,1-trifluoro-2-alkanones with Lawesson Reagent Accessing 6-Trifluoromethyl-3,6-dihydro-2*H*-[1,3,4]-thiadiazines

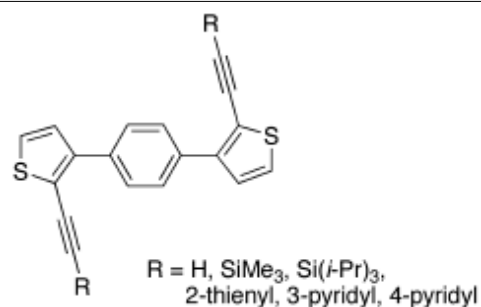
Yasuhiro Kamitori,* Tomoko Sekiyama, and Etsuji Okada



Fluorine-Containing Thiadiazine Hydrazone Thioketone 1,5-Sigmatropic Shift

2227 Preparation of 1,4-Bis(2-ethynyl-3-thienyl)benzenes as Versatile Spacers for Connection of Heterocycles

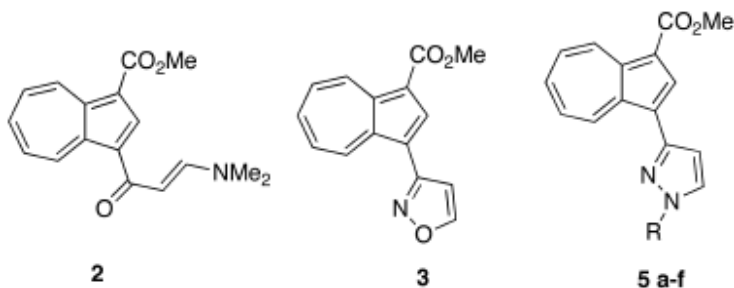
Kozo Toyota,* Yoichi Goto, Kazuyuki Okada, and Noboru Morita



Oligoarene Oligothiophene Bipyridine Ligand Spacer

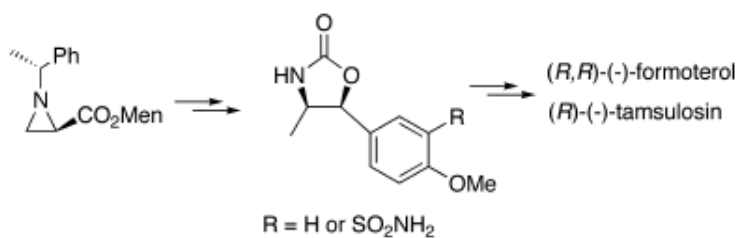
NOTES
2237 Synthesis of 1-(3-Isoxazolyl)- and 1-(3-Pyrazolyl)azulene Derivatives via Methyl 1-(3-Dimethylamino-2-propenoyl)-azulene-3-carboxylate

Dao-Lin Wang,* Jin-Jun Deng, Jiao Xu, and Kimiaki Imafuku*


 Azulene Enaminone *N,N*-Dimethylformamide Dimethyl Acetal Isoxazole Pyrazole

2243 Asymmetric Formal Synthesis of (-)-Formoterol and (-)-Tamsulosin

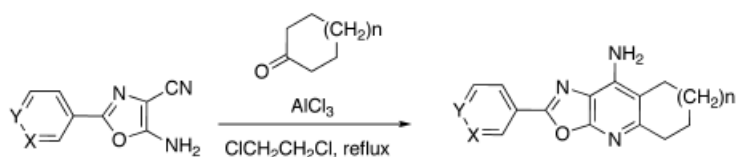
Yongeun Kim, Lae-Sung Kang, Hyun-Joon Ha,* Seung Whan Ko, and Won Koo Lee*



Tamsulosin Formoterol Asymmetric Synthesis Aziridine-2-carboxylate Oxazolidin-2-one

2249 Synthesis and Friedländer Reactions of 5-Amino-4-cyano-1,3-oxazoles

Maria do Carmo Carreiras,* Ana Eleutério, Catarina Dias, M. Alexandra Brito, Dora Brites, J. Marco-Contelles, and Elena Gómez-Sánchez



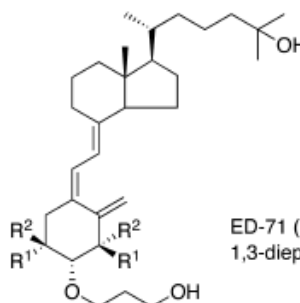
1 X = Y = CH
3 X = N; Y = CH
4 X = CH; Y = N

13 X = Y = CH (n = 1) (84%)
14 X = N; Y = CH (n = 1) (18%)
15 X = CH; Y = N (n = 1) (11%)
16 X = Y = CH (n = 2) (90%)
17 X = N; Y = CH (n = 2) (20%)

 1,3-Oxazole Friedländer Reaction Oxazolo[5,4-*b*]quinoline Tacrine Analogue Alzheimer's Disease

2263 **Synthesis of 1,3-Diepi-ED-71, a Biologically Important Diastereomer of 1 α ,25-Dihydroxy-2 β -(3-hydroxypropoxy)-vitamin D₃ (ED-71)**

Ayako Fujiyama, Mai Kaneko, Keisuke Takahashi,
Jun Ishihara, Susumi Hatakeyama, and Noboru Kubodera*



ED-71 (1) : R¹=OH; R²=H
1,3-diepi-ED-71 (2) : R¹=H; R²=OH

Active Vitamin D₃ Analog 1,25(OH)₂D₃ ED-71 1,3-Diepi-ED-71

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 2273 Polyketides
- 2282 Aromatics
- 2295 Terpenes
- 2305 Steroids
- 2307 Alkaloids
- 2318 Miscellaneous