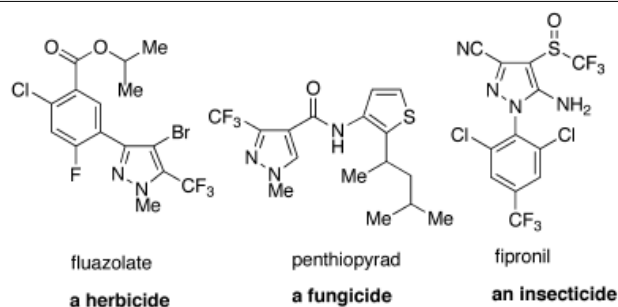


■ REVIEW

1467 **Pyrazole Chemistry in Crop Protection**

Clemens Lamberth*

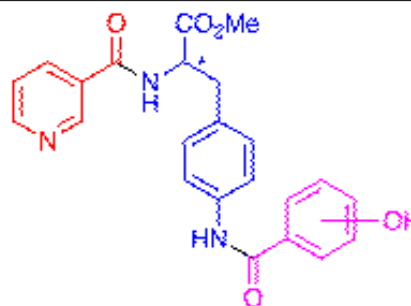


Pyrazole Herbicide Fungicide Insecticide Crop Protection

■ COMMUNICATION

1503 **The Nicotinic Acid-*p*-Aminophenylalanine-Hydroxybenzoic Acid Triads Induce Apoptosis in Human Leukemia U937 Cells**

Mika Yamaguchi, Ryota Saito, Keiichiro Utsumi, Akira Ochiai, Norimichi Kawashima, Yoshikazu Tokuoka, and Akira Katoh*

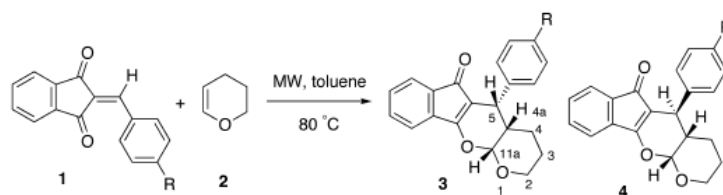


Apoptosis Human Leukemia U937 Cell Nicotinic Acid Aminophenylalanine Agarose Gel Electrophoresis

■ PAPERS

1509 **Microwave Mediated Synthesis of 3,4,4a,11a-Tetrahydro-5-phenyl/5-(4'-substituted phenyl)-2*H*-indeno[1,2-*bj*]-pyrano[3,2-*e*]pyran-6(5*H*)-ones**

Som N. Dhawan, Mamta Sharma, Sunita Bajaj, Kusum Sharma, and Somesh Sharma*

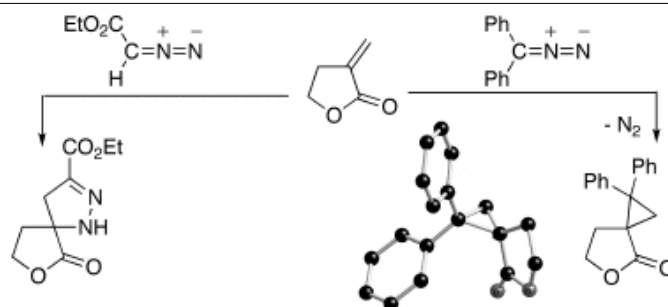


R = H, F, NO₂, CO₂Me, OMe, Me

Microwave 2-Benzylideneindan-1,3-dione 3,4-Dihydro-2*H*-pyran Inversed Electron Demand Diels-Alder Reaction Woodward-Hoffmann Rule

1517 Reaction of 3-Methylenedihydro-(3H)furan-2-one with Diazoalkanes. Syntheses and Crystal Structures of Spiranic Cyclopropyl Compounds

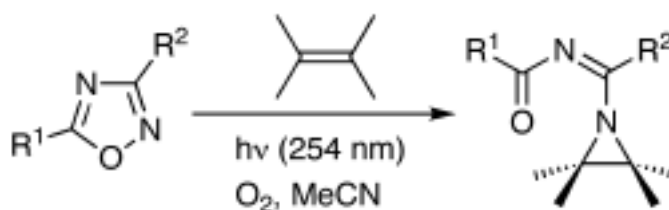
Christophe Roussel, Kabula Ciamala,* Joël Vebrel, Michael Knorr, and Marek M. Kubicki



Diazoalkane Spirocyclopropane Lactone Pyrazoline Cycloaddition

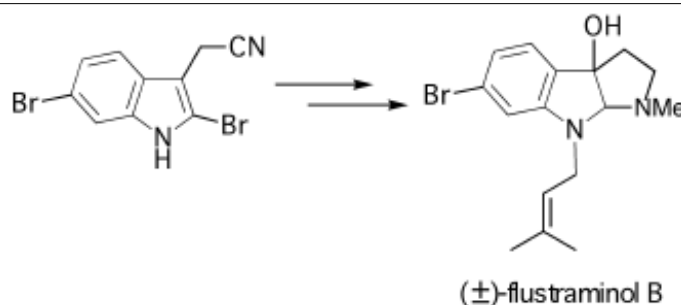
1529 On the Photoreaction of Some 1,2,4-Oxadiazoles in the Presence of 2,3-Dimethyl-2-butene. Synthesis of *N*-Imidoylaziridines

Antonio Palumbo Piccionello, Ivana Pibiri, Andrea Pace, Rosa Angela Raccuglia, Silvestre Buscemi, Nicolò Vivona,* and Gianluca Giorgi


 Photochemistry 1,2,4-Oxadiazole *N*-Imidoylaziridine Pyrolysis *N*-Allylamidine

1539 First Total Synthesis of (±)-Flustraminol B

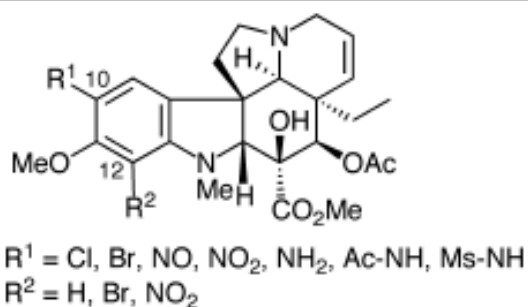
Oscar R. Suárez-Castillo,* Maricruz Sánchez-Zavala, Myriam Meléndez-Rodríguez, Eliazar Aquino-Torres, Martha S. Morales-Ríos, and Pedro Joseph-Nathan



Flustraminol B Total Synthesis 2,6-Dibromoindole Dimethyldioxirane Natural Product

1553 Aromatic Electrophilic Substitutions on Vindoline

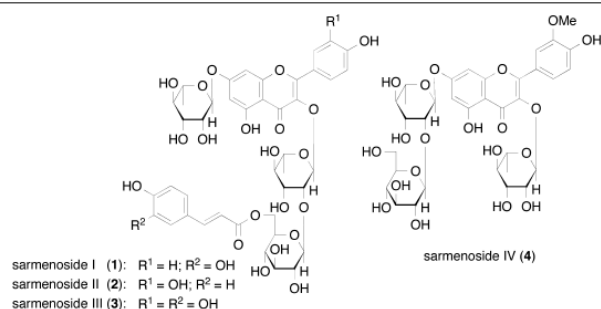
Álmos Gorka-Kereskényi, Lajos Szabó, László Hazai, Miklós Lengyel, Csaba Szántay Jr., Zsuzsanna Sánta, György Kalaus, and Csaba Szántay*



Bisindole Alkaloid Vindoline Aromatic Electrophilic Substitution Nitration Halogenation

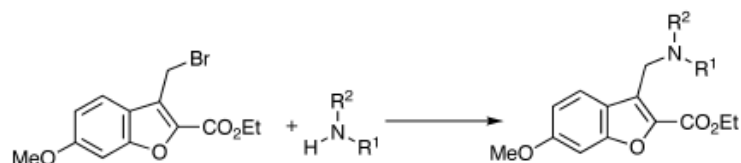
1565 Bioactive Constituents from Chinese Natural Medicines. XXV. New Flavonol Bisdesmosides, Sarmenosides I, II, III, and IV, with Hepatoprotective Activity from *Sedum sarmentosum* (Crassulaceae)

Yi Zhang, Toshio Morikawa, Seikou Nakamura, Kiyofumi Ninomiya, Hisashi Matsuda, Osamu Muraoka, and Masayuki Yoshikawa*


Sedum sarmentosum Sarmenoside Hepatoprotective Activity Flavonol Bisdesmoside Crassulaceae

1577 Synthesis, Characterization, and Biological Activities of New Benzofuran Derivatives

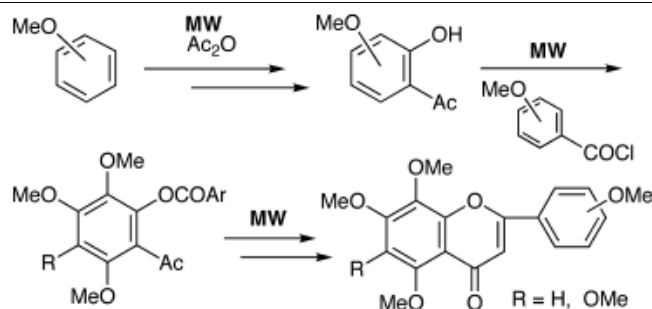
Kifah S. M. Salih, Mikdad T. Ayoub, Haythem A. Saadeh, Najim A. Al-Masoudi, and Mohammad S. Mubarak*



Benzofuran 3-Bromomethyl-2-carboethoxy-6-methoxybenzofuran Amino Acid Ethyl Ester HIV Cyclization

1589 Microwave-Assisted Efficient Synthesis of Polymethoxyacetophenones and Natural Polymethoxyflavones, and Their Inhibitory Effects on Melanogenesis

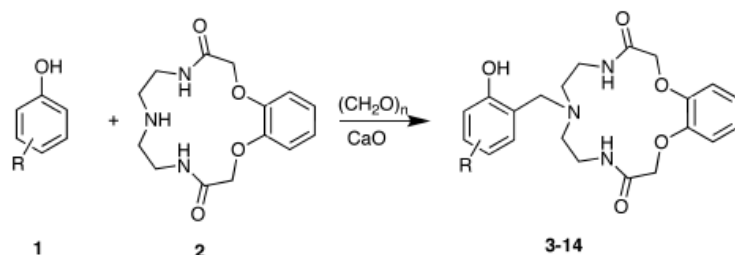
Masao Tsukayama,* Eiji Kusunoki, Mohammad M. Hossain, Yasuhiko Kawamura, and Shinji Hayashi



Microwave-Assisted Synthesis Polymethoxyacetophenone Solvent-Free Polymethoxyflavone Biological Activity

NOTES
1601 Eco-Friendly Synthesis of Novel Lariat Ethers *via* Mannich Reaction under Solventless Conditions

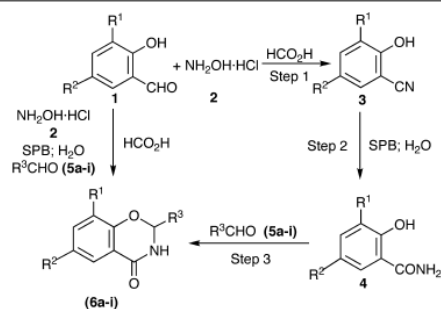
Hashem Sharghi* and Reza Khalifeh



Aza-Crown Ether Lariat Ether CaO Solvent-Free Mannich Reaction

1615 One-Pot Heterocondensation for Benzoxazinone Derivatives Using Sodium Perborate as Catalyst

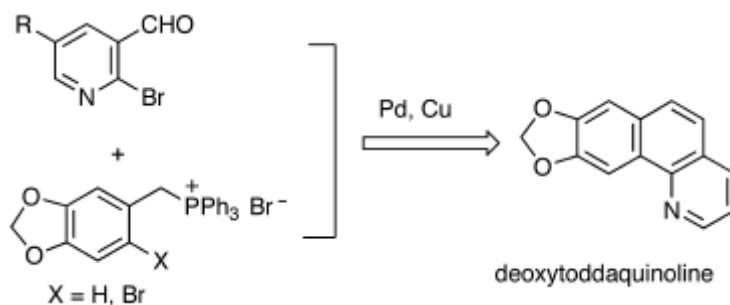
Mazaahir Kidwai,* Priya Singhal, and Kavita Singhal



SPB Heterocondensation Aromatic/Heteroaromatic Aldehydes Benzoxazinone Solvent System

1623 Studies toward the Synthesis of Toddaquinoline by Intramolecular Cyclization

Georgeta Serban,* Yasumi Shigeta, Hiromi Nishioka, Hitoshi Abe, Yasuo Takeuchi, and Takashi Harayama*



Toddalia asiatica

Benzo[*h*]quinoline Alkaloid

Aryl-Aryl Coupling Reaction

Palladium-Assisted Reaction

Ullmann Reaction

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 1631 Polyketides
- 1634 Aromatics
- 1649 Terpenes
- 1656 Steroids
- 1659 Alkaloids
- 1679 Miscellaneous

■ ADDITIONS AND CORRECTIONS

1683 L-Proline-Catalyzed Asymmetric Aldol Condensation of *N*-Substituted Isatins with Acetone

Xiaojiang Hao, Xiaosheng Yang, Suo Gao, Hongping He, Ye Wang, and Gang Chen*