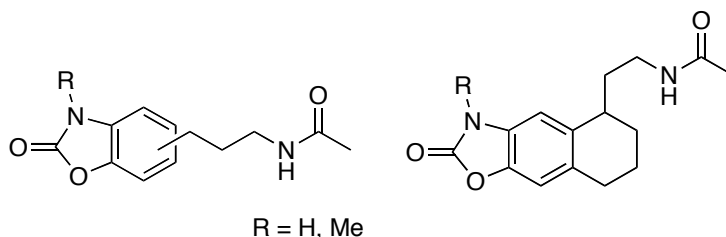


■ PAPERS

2621 Synthesis of 2(3*H*)-Benzoxazolone Derivatives as Potential Melatonin Receptor Ligands

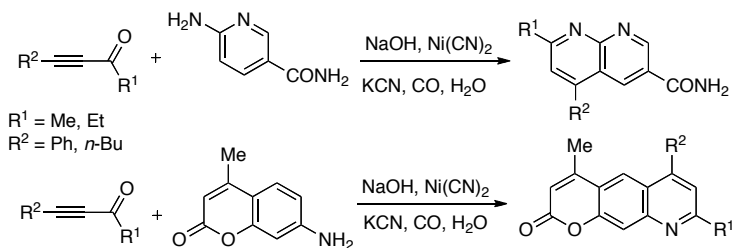
Saïd Yous, Jacques H. Poupaert, Christophe Mésangeau, and Pascal Carato*



Melatonin Benzoxazolinone

2631 One Pot Syntheses of Substituted Naphthyridines and 2*H*-Pyrano[3,2-*g*]quinolin-2-ones in Water

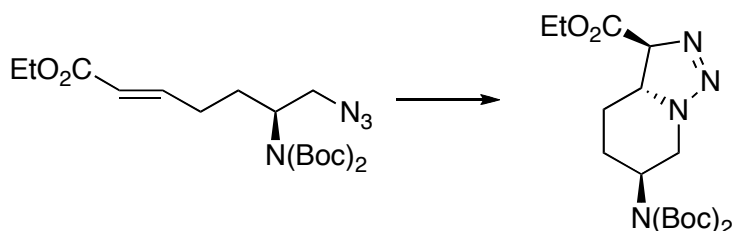
Luis A. Maldonado, José L. García, Guillermo Pénieres, Armando Cabrera, Pankaj Sharma, and Noé Rosas*



Nickel Catalyst Naphthyridine Quinolinone Cycloaddition

2637 Stereoselective Intramolecular Azide 1,3-Dipolar Cycloaddition

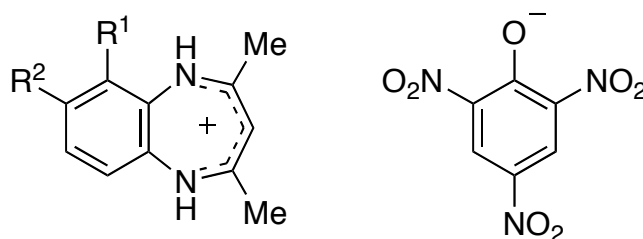
Emmanuel Mikros, Theodoros Markidis, and George Kokotos*



Cyclization Triazoline Molecular Mechanics Calculation

2645 Synthesis and X-Ray Analysis of New 1,5-Benzodiazepinium Picrates

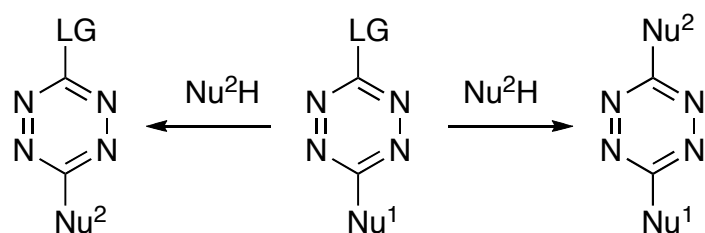
Martin Nieger, Abbas Gholipour Shilabin, and Andreas Schmidt*



Vinamidinium Chromophor Hydrogen Bond Stacking

2653 Selective Nucleophilic Substitutions on Tetrazines

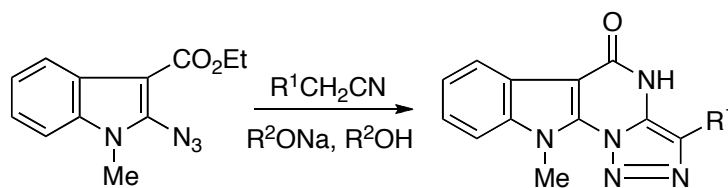
Krisztián Lőrincz, Márton Csékei, Beatrix Bostai, Zoltán Novák, and András Kotschy*


 Nu²H: amines, alcohols, thiols; LG: chloro, pyrazolyl

Tetrazine Aromatic Nucleophilic Substitution Regioselectivity Quantum Chemical Modeling

2669 A New Tetracyclic Ring System of Biological Interest. Indolo[3,2-*e*][1,2,3]triazolo[1,5-*d*]pyrimidines through Domino Reactions of 2-Azidoindole

Gaetano Dattolo, Girolamo Cirrincione, Alessandra Montalbano, Paola Barraja, Patrizia Diana, Chiara Patella, Antonino Lauria, and Anna Maria Almerico*

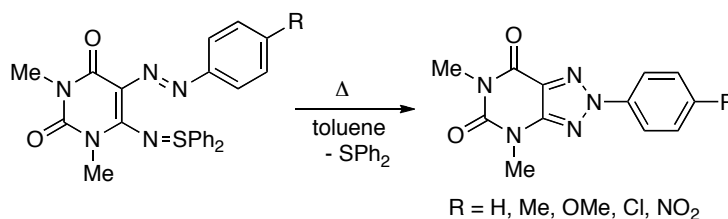


$R^1 = \text{CN}, \text{CO}_2\text{Et}, \text{CO}_2\text{Me}, \text{CONH}_2, \text{Ph}$

Indolotriazolopyrimidine 2-Azidoindole Acetonitrile Domino Reaction Interaction with DNA

2677 Synthesis of 2*H*-1,2,3-Triazolo[4,5-*d*]pyrimidine-5,7-diones from Uracils Using Cyclization Reaction of β -Azo- α,β -unsaturated Sulfilimines

Nobuaki Matsumoto and Masahiko Takahashi*

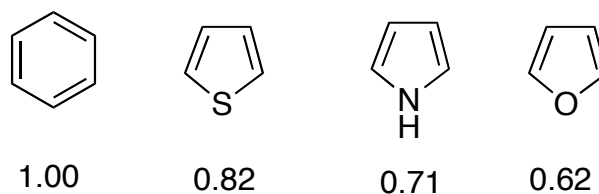


$R = \text{H}, \text{Me}, \text{OMe}, \text{Cl}, \text{NO}_2$

1,2,3-Triazolo[4,5-*d*]pyrimidine Uracil β -Azo- α,β -unsaturated Sulfilimine Sulfilimine Diazonium Salt

2685 Nuclear Magnetic Resonance Spectroscopical Studies of 2-Carbonyl Derivatives of Five-membered Monoheterocycles and Determination of Aromaticity Indices

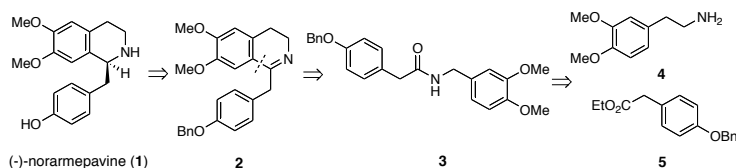
Ji Sook Yu, Kyu Ok Jeon, and Chang Kiu Lee*

Aromaticity Indices


Aromaticity Index Carbonyl Group Chemical Shift Solvent Effect

2707 Enantioselective Synthesis of the Tetrahydrobenzyl-isoquinoline Alkaloid (-)-Norarmepavine Using Polymer Supported Reagents

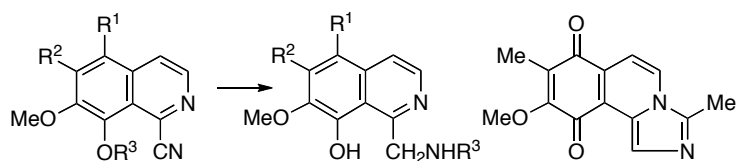
Steven V. Ley, Thomas D. Davidson, Ian R. Baxendale, and Remedios H. Perni*



Enantioselective Synthesis Natural Product Synthesis Polymer Supported Reagent

2717 Catalytic Hydrogenation of 8-Acyloxy-1-cyanoisoquinoline and Synthesis of 9-Methoxy-9-deoxycribrostatin 6

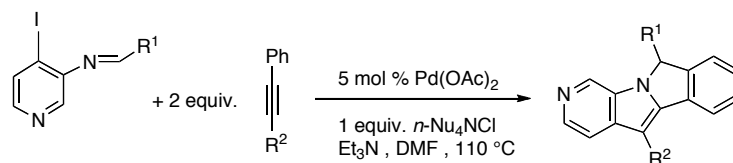
Akinori Kubo and Shinsuke Nakahara*



Imidazoisquinolinedione Synthesis Catalytic Hydrogenation Intramolecular Transfer Bioactivity

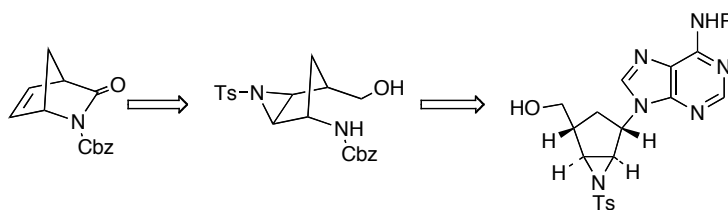
2727 Synthesis of Pyridopyrrolo[2,1-*a*]isoindoles by Palladium-catalyzed Annulation

Nack-Do Sung, Song Su Kang, and Eul Kgun Yum*


 Pyridopyrrolo[2,1-*a*]isoindole Palladium Internal Alkyne Catalyzed Reaction Annulation

2737 Preparation of 2',3'-Epiminocarbocyclic Nucleosides Based on 2-Azabicyclo[2.2.1]hept-5-en-3-one

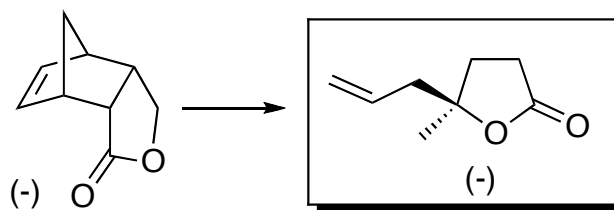
Nobuya Katagiri, Miyako Hasunuma, Kota Matsumoto, and Minoru Ishikura*



Aziridine Nitrene Tosyl Azide 6-Azabicyclo[3.1.0]hexane

2743 New Chiral Synthesis of Methyl and Allyl Disubstituted Butyrolactone: A Formal Synthesis of (-)-Ngaione

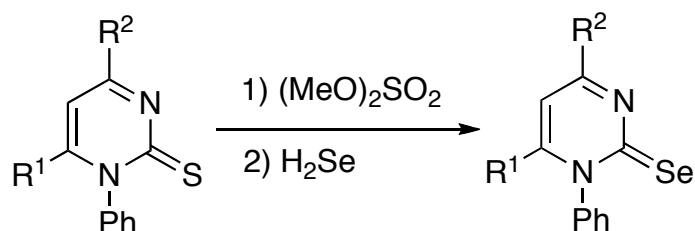
Yasuyuki Endo, Katsufumi Suzuki, and Kohei Inomata*



Chiral Synthesis Butyrolactone (-)-Ngaione (+)-Ipomeamarone retro-Diels-Alder Reaction

NOTES
2749 Synthesis of 1,4,6-Trisubstituted 2[1*H*]-Pyrimidine-selenones

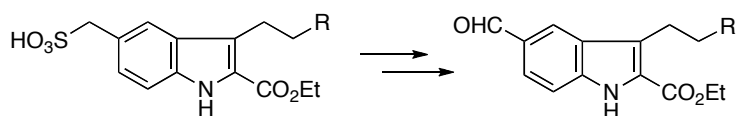
Marek Zylewski, Maria J. Korohoda, Waldemar Tejchman, and Alicja Zylewska*



Pyrimidineselenone Pyrimidinethione Hydrogen Selenide 2D NOESY Conformation

2761 Synthesis of 5-Substituted Indole Derivatives, Part 5. A Synthesis of 5-Formyl-1*H*-indole-2-carboxylates: The CH₂SO₃H Functionality as a Masked Formyl Group

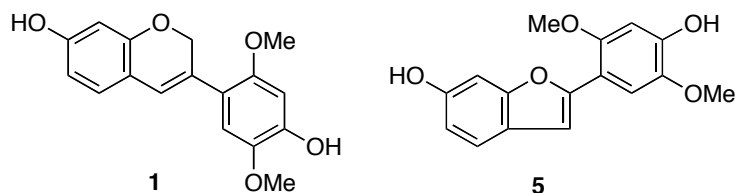
László Töke, Gyula Parlagh, and Béla Pete*



5-Formylindole 5-Chloromethylindole 5-Hydroxymethylindole Indole-5-methanesulfonic Acid Oxidation

2767 Four New Isoflavonoids and a New 2-Arylbenzofuran from the Roots of *Erythrina variegata*

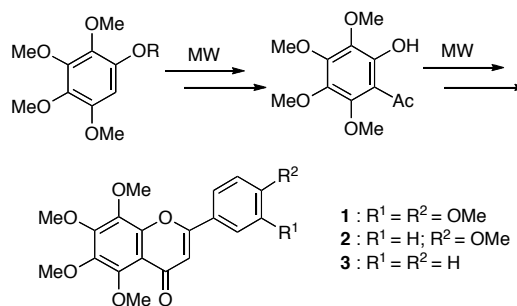
Toshio Fukai, Dedy Darnaedi, Hiroko Murata, Jin Murata, Masaru Sato, Magoichi Sako, Hideo Etoh, Miyuki Hirata, and Hitoshi Tanaka*



Erythrina variegata Leguminosae Isoflavonoid 2-Arylbenzofuran Eryvarin

2775 Improved, Rapid and Efficient Synthesis of Polymethoxyflavones under Microwave Irradiation and Their Inhibitory Effects on Melanogenesis

Fumihito Torii, Shinji Hayashi, Takaaki Ishizuka, Yasuhiko Kawamura, and Masao Tsukayama*



Microwave-assisted Synthesis Polymethoxyflavone Polymethoxyacetophenone Melanogenesis Inhibitory Effect

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 2785 Polyketides
- 2799 Aromatics
- 2804 Terpenes
- 2810 Alkaloids
- 2832 Miscellaneous

■ INDEXES

- 2835 Author Index
2867 Subject Index
2877 Name Index of New Heterocyclic Natural Products
293 Formula Index of New Heterocyclic Natural Products
2953 Name Index of Total Synthesis of Heterocyclic Natural Products
2971 Formula Index of Total Synthesis of Heterocyclic Natural Products
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