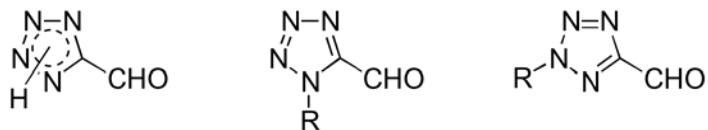


■ REVIEW

- 195 **Tetrazolecarbaldehydes and Their Derivatives**
Dietrich Moderhack*

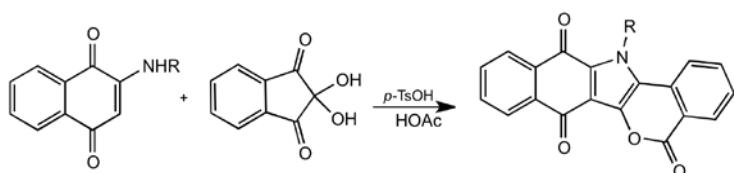


1H-/2H-Tetrazole-5-carbaldehyde Unsubstituted Tetrazole-5-carbaldehyde Annular Tautomerism Deformylation Nitrone

■ COMMUNICATION

- 237 **One-Pot Synthesis of Benz[f]Indolo[3,2-c]isochromeno-5,7,13-trione Derivatives from 2-Amino-1,4-naphthoquinones and Ninhydrin**

Ting Zhou, Guang-Yu Pan, Dao-Lin Wang,* and Jian-Hua Qian

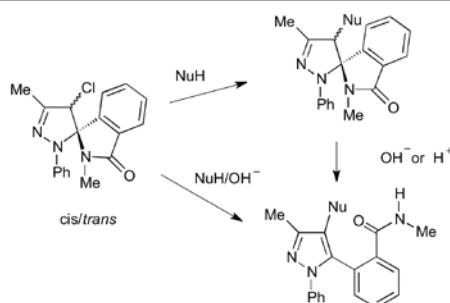


Isocoumarin 2-Amino-1,4-naphthoquinone Ninhydrin Domino Reaction Benz[f]indolo[3,2-c]isochromeno-5,7,13-trione

■ PAPERS

- 241 **The Reactivity of 4'-Substituted Spiro[isoindole-1,3'-pyrazoles] Derivatives: Substitution/Elimination Reactions and Access to Biaryl Derivatives**

Benedetta Maggio, Gianfranco Fontana, Maria Valeria Raimondi, Demetrio Raffa, Fabiana Plescia, Angela Maria Ingarra, and Giuseppe Daidone*



Spiroisoindole Arylpyrazole Substitution Reaction Elimination Reaction

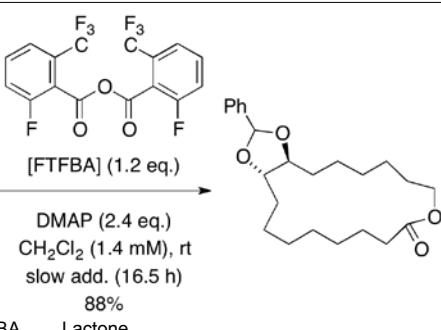
- 255 Expedited Synthesis of Carboxylic Esters and High-Yielding Macrolactones Using Trifluoromethyl-Substituted Benzoic Anhydrides with 4-(Dimethylamino)pyridine: an Evaluation of the Reactivities of Aromatic Acid Anhydrides as Dehydration Reagents Compared with 2-Methyl-6-nitrobenzoic Anhydride**

Isamu Shiina* and Takayuki Tono

2-Fluoro-6-(trifluoromethyl)benzoic Anhydride

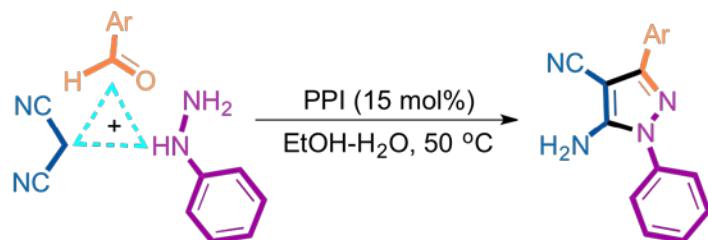
FTFBA

2-Methyl-6-nitrobenzoic Anhydride



- 276 One-Pot and Efficient Synthesis of 5-Aminopyrazole-4-carbonitriles Catalyzed by Potassium Phthalimide**

Hamzeh Kiyani* and Maryam Bamdad



5-Aminopyrazole-4-carbonitrile

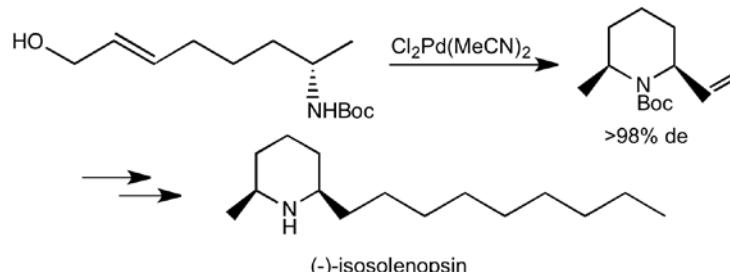
Green Reaction

Potassium Phthalimide

Three-Component Reaction

- 286 Synthesis of (-)-Isosolenopsin Using Diastereoselective Aminopalladation**

Yukiko Takemoto, Yasunao Hattori, and Hidefumi Makabe*



Total Synthesis

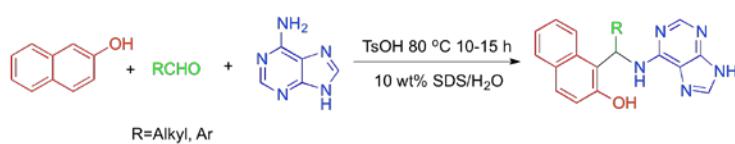
Natural Product

Piperidine Alkaloid

■ SHORT PAPERS

- 297 A One-Pot, Green Synthesis of Betti Base Containing Adenine Derivatives in Aqueous Medium**

Dulin Kong, Zhongxiang Zhu, Jie Jiang, Luyong Wu, Xianghui Wang, Zaifeng Shi, Qiang Lin,* and Mingshu Wu*



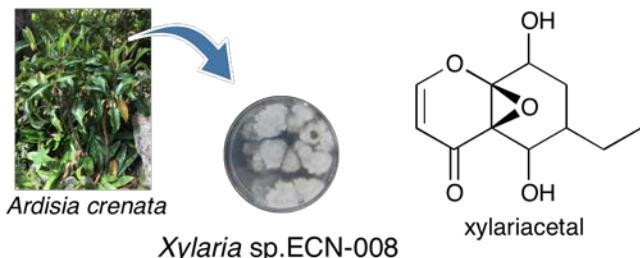
Adenine

Aqueous Medium Synthesis

Betti Base

308 A New Chromone Derivative from an Endophytic Fungus *Xylaria* sp. Isolated from *Ardisia crenata*

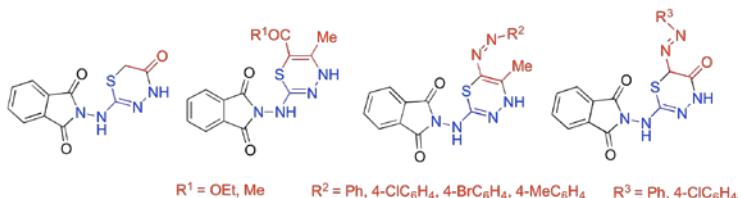
Ken-ichi Nakashima,* Junko Tomida, Masanori Tabata, Takao Hirai, Yuji Morita, Yoshiaki Kawamura, and Makoto Inoue



Endophytic Fungi *Xylaria* sp. Natural Products Chemistry Chromone Derivative

314 A Multi-Component One-Pot Synthesis of Novel (1,3,4-Thiadiazin-2-ylamino)isoindoline-1,3-diones as Antimicrobial Agents

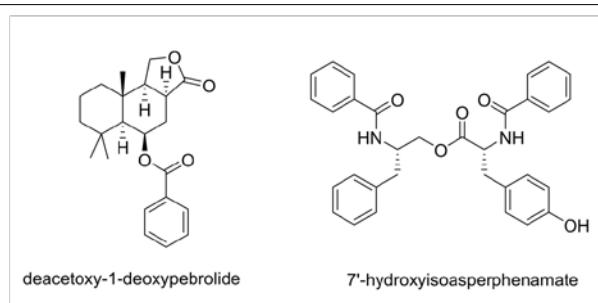
Rizk E. Khidre,* Bakr F. Abdel-Wahab, and Ghada E. A. Awad



1,3,4-Thiadiazine Phthalimide One-Pot Reaction α -Halocarbonyl Compound Antimicrobial Activity

326 New Two Pebrolide Derivatives, 14-Deacetoxy-1-deoxypebrolide and 7'-Hydroxyasperphenamate Isolated from *Penicillium* sp. IFM62525

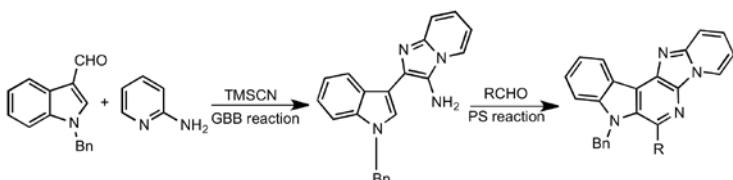
Syuhei Arai, Daigo Wakana, Takeshi Itabashi, Hisashi Takeda, Toshiaki Yaguchi, Galba Maria de Campos Takagi, and Tomoo Hosoe*



Penicillium sp. Pebrolide

334 A Facile Synthesis of Novel Pyrido[2',1':2,3]imidazo[4,5-c]- β -carbolines

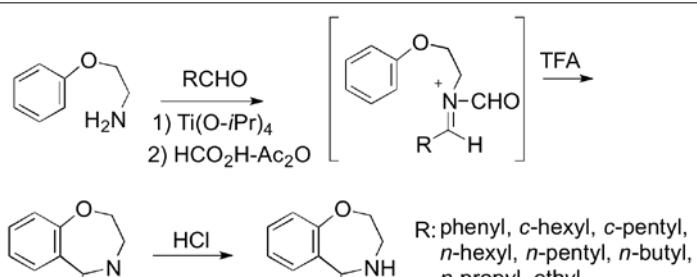
Liang Yan, Dao-Lin Wang,* and Jian-Hua Qian



β -Caroline 1*H*-Indole-3-carbaldehyde Groebke-Blackburn-Bienaym   Reaction Pictet-Spengler Reaction

342 Facile and Short-Step Synthesis of 5-Substituted 2,3,4,5-Tetrahydrobenz[f][1,4]oxazepines Using a Modified Pictet-Spengler Reaction

Toshiaki Saitoh, Michikazu Kitabatake, Takuya Sugimoto, Hiromu Kawakubo, Kunihiko Mohri, and Yoshie Horiguchi*



Modified Pictet-Spengler Reaction

Benzoxazepine

N-Formyliminium Ion

One-Pot Synthesis

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

-
- | | |
|-----|---------------|
| 351 | Polyketides |
| 354 | Aromatics |
| 356 | Terpenes |
| 358 | Steroids |
| 359 | Alkaloids |
| 366 | Miscellaneous |
-

■ BRUSH UP YOUR HETEROCYCLES

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- | | |
|-----|----------------------------|
| 367 | Brush Up Your Heterocycles |
|-----|----------------------------|
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■ ADDITIONS AND CORRECTIONS

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- | | |
|-----|---|
| 387 | Errata “Synthesis of β -Glycosyl Formamides Through <i>N</i> -Glycosylation of Unprotected Carbohydrates”:
<i>Heterocycles</i> , 2016, 92, 2201, Doi: 10.3987/Com-16-13584
Yoshiyasu Ichikawa,* Akihito Matsukawa, Mitsutoshi Maeda,
Hasuka Tomishige, Yumiko Tomita, Rika Mimura,
Ayumi Kitamori, Hiyoshizo Kotsuki, Keiji Nakano, and
Toshiya Masuda |
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