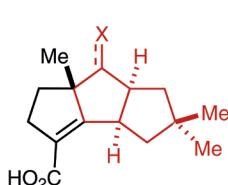


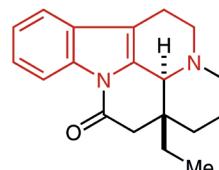
Synthesis

Reviews and Full Papers in Chemical Synthesis

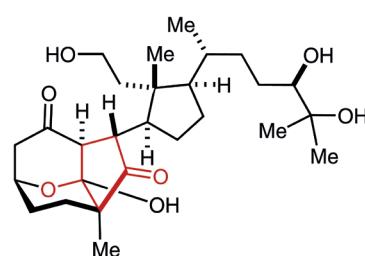
July 4, 2023 • Vol. 55, 1949–2108



*chondrosterin I, X = O
chondrosterin J, X = OH*



(-) -20-epi-eburnamone



aplysiasecosterol A

Recognition of Symmetry as a Powerful Tool in Natural Product Synthesis

L. Cala, M. A. Gaviria, S. L. Kim, T. R. Vogel, C. S. Schindler

13



Thieme

Synthesis

Synthesis 2023, 55, 1949–1960
DOI: 10.1055/a-1702-5062

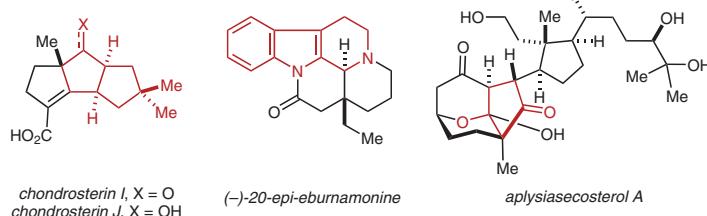
L. Cala
M. A. Gaviria
S. L. Kim
T. R. Vogel
C. S. Schindler*

University of Michigan, USA

Recognition of Symmetry as a Powerful Tool in Natural Product
Synthesis

Short Review

1949



Synthesis

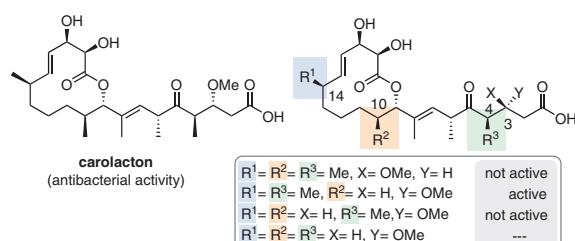
Synthesis 2023, 55, 1961–1983
DOI: 10.1055/a-2013-9333

J. Ammermann
J. Meyer
J. Donner
M. Reck
I. Wagner-Döbler
A. Kirschning*
Leibniz University Hannover,
Germany

New Demethylated Derivatives of Carolacton and Structure–Activity
Relationship (SAR) Studies on Their Biofilm Inhibitory Properties

Feature

1961



Synthesis

Synthesis 2023, 55, 1984–1995
DOI: 10.1055/a-2029-0345

Intramolecular Cyclization of *N*-Propargylic Amides without Transition-Metal Catalysis for Synthesis of Fluoroalkylated Oxazoles: Using Carboxylic Acid Anhydrides as the Fluoroalkyl Source

PSP

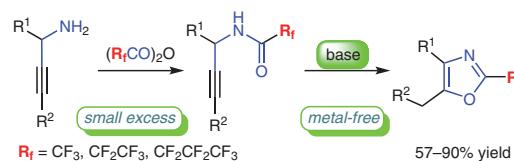
1984

T. Sugiishi

R. Motegi

H. Amii*

Gunma University, Japan

**Synthesis**

Synthesis 2023, 55, 1996–2004
DOI: 10.1055/a-2030-7730

Fully Substituted Dihydropyrimidines, Pentasubstituted 2-Aryl-dihydropyrimidines Synthesized by Palladium-Catalyzed/Copper-Mediated Cross-Coupling Reaction

Paper

1996

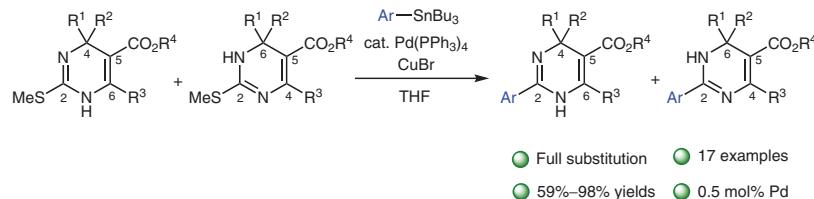
Y. Nishimura*

T. Kubo

N. Shibuya

H. Cho

Ohu University, Japan



Paper

2005

Synthesis

Synthesis 2023, 55, 2005–2010
DOI: 10.1055/a-2039-6180

Enantioselective Synthesis of (*R*)-Tiagabine via Asymmetric Hydrogen Atom Transfer Protocol

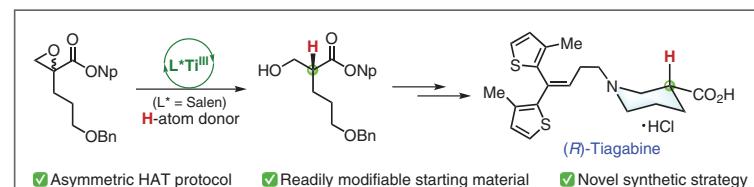
L. Li

W. Chen

Z. Xu

J. Jiang*

Y.-Q. Zhang*

Shandong University,
P. R. of China

Synthesis 2023, 55, 2011–2018
DOI: 10.1055/s-0042-1751433

M.-Z. Ren

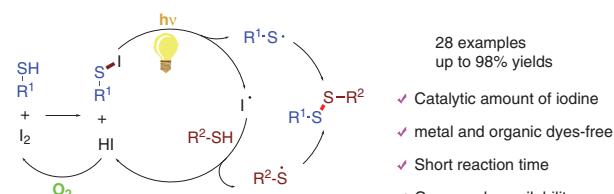
Y.-J. Fu

B.-S. Zhang

Z.-J. Quan*

X.-C. Wang*

Northwest Normal University,
P. R. of China



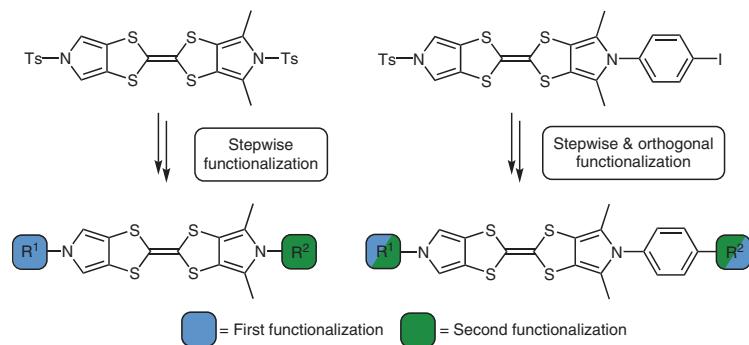
R^1 = heteroarylthiophenols/arylthiophenols/alkylthiols
 R^2 = arylthiophenols/alkylthiols

Synthesis 2023, 55, 2019–2026
DOI: 10.1055/a-2020-9005

M. S. Neumann

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University of Southern Denmark,
Denmark



Synthesis 2023, 55, 2027–2036
DOI: 10.1055/a-2031-4549

S. Das

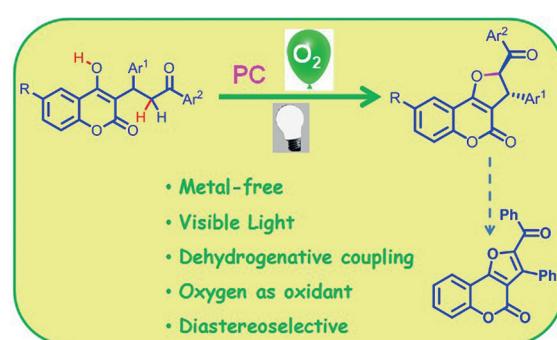
S. Paul

T. Choudhuri

P. Sikdar

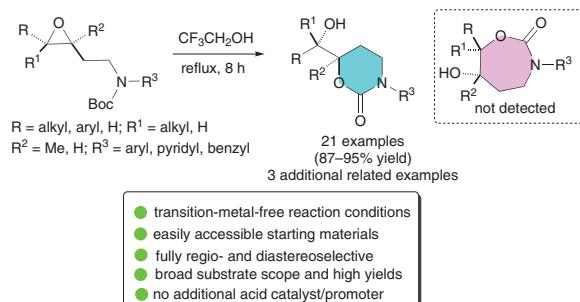
A. K. Bagdi*

University of Kalyani, India

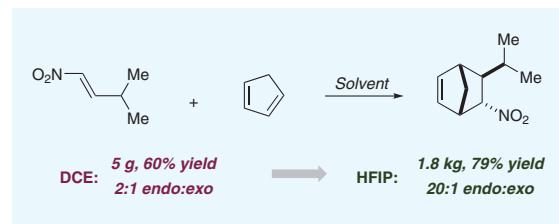
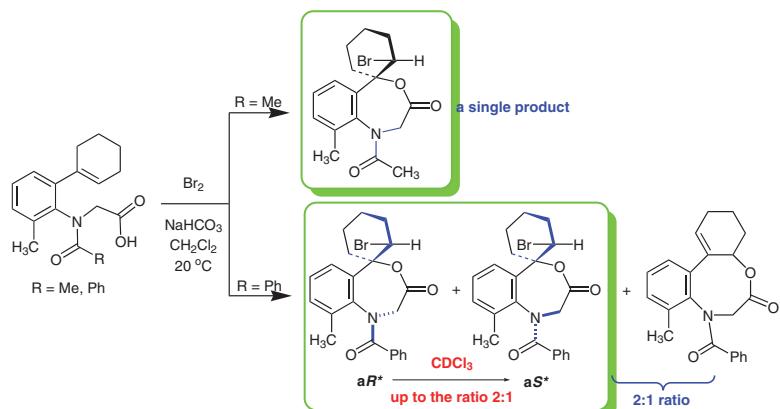


J. Das
R. Chouhan**H. Borgohain**
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Trifluoroethanol-Mediated Cyclization of Two-Carbon-Tethered Epoxide-N-Boc Pairs: Completely Regioselective Synthesis of 3,6-Disubstituted 1,3-Oxazinan-2-ones*6-exo-selective N-Boc–epoxide cyclization***D. J. Kornfilt**
B. T. Chamberlain
I. Chataigner
R. Spezia
F. F. Wagner*

Broad Institute of MIT and Harvard, USA

Hexafluoroisopropanol-Induced Facial Selectivity in a Hindered Diels–Alder Reaction**Halolactonization of N-Acyl-N-(2-cyclohex-1-en-1-yl-6-methylphenyl)-glycines: Towards Production of 4,1-Benzoxazoheterocycles****R. R. Gataullin***
Ufa Institute of Chemistry of the Russian Academy of Sciences, Russian Federation

Synthesis 2023, 55, 2061–2069
DOI: 10.1055/a-2016-4337

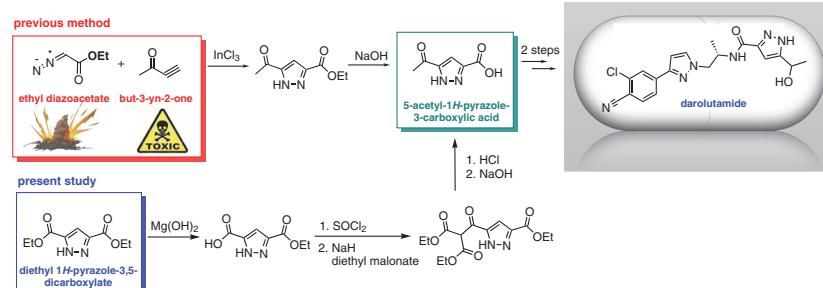
L. Poszavácz

T. Nagy

K. Kátai-Fadgyas

B. Volk*

Egis Pharmaceuticals Plc.,
Hungary



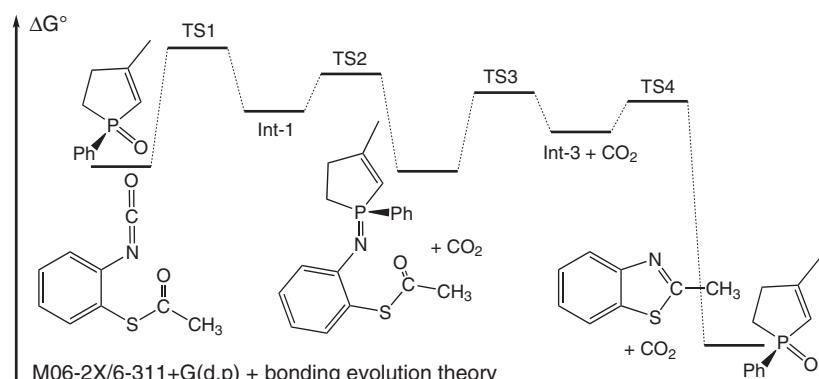
Synthesis 2023, 55, 2070–2082
DOI: 10.1055/a-2022-2206

A. I. Adjuefack*

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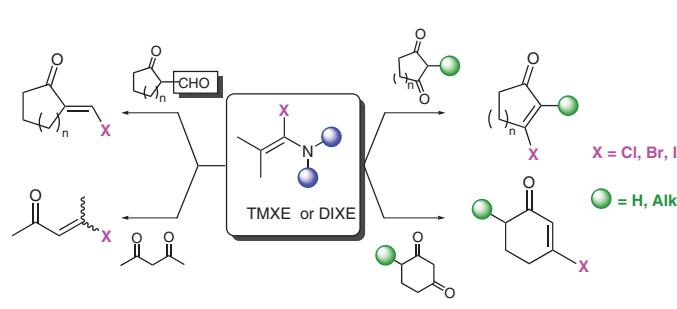


Synthesis 2023, 55, 2083–2090
DOI: 10.1055/a-2017-4685

F. Munyemana

L. Ghosez*

UCLouvain, Belgium
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high yield, regiospecific and stereoselective except for acyclic 1,3-diketones

Synthesis 2023, 55, 2091–2098
DOI: 10.1055/a-2035-2873

R. Zheng

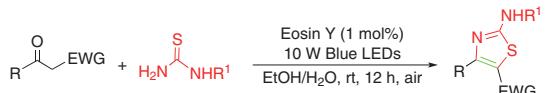
X. Hu

H. Jiang

H. Guo*

L. Wang*

Taizhou University, P. R. of China



- Water as cosolvent
- Operational simplicity
- High efficiency

31 examples
up to 96% yield

Synthesis 2023, 55, 2099–2108
DOI: 10.1055/a-2023-0028

C. Xuecheng

X. Yanpeng

L. Yue

P. Yalan

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Y. Zhijian*

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pital of Shenzhen University
Medical School, P. R. of China