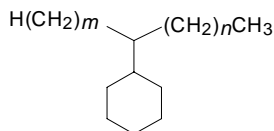


Collect. Czech. Chem. Commun.
1998, 63, 1513–1521

**Gas Chromatography and Mass Spectrometry
of Isomeric Cyclohexylnonadecanes
and 1-Cyclopentylcosane**

Karel Stransky and Irena Valterova

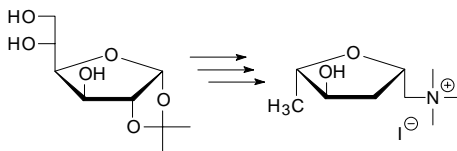


$m = 0, 1, 2, 3, 4, 5, 6, 9$
 $n = 17, 16, 15, 14, 13, 12, 11, 8$

Collect. Czech. Chem. Commun.
1998, 63, 1522–1527

**Stereospecific Synthesis of (+)-Muscarine
from D-Glucose, Suitable for Preparation
of 5-Substituted Analogues**

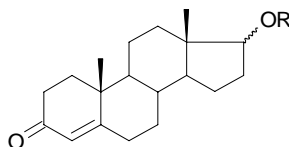
Velimir Popsavin, Ostoja Beric, Ljubica Radic,
Mirjana Popsavin, Vera Cirin-Novta
and Dusan Miljkovic



Collect. Czech. Chem. Commun.
1998, 63, 1528–1542

**Long-Range Effect of 17-Substituents
in 3-Oxo Steroids on 4,5-Double Bond
Hydrogenation**

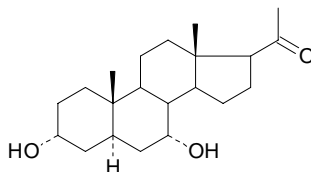
Romana Sidova, Karel Stransky,
Alexander Kasal, Barbora Slavikova
and Ladislav Kohout



Collect. Czech. Chem. Commun.
1998, 63, 1543–1548

**Epalons: Synthesis of 3 α ,7 α -Dihydroxy-
5 α -pregnan-20-one**

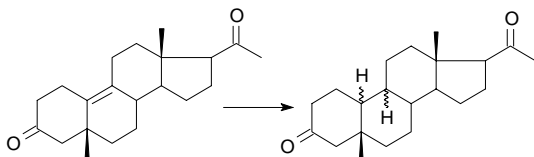
Hana Chodounska and Alexander Kasal



Collect. Czech. Chem. Commun.
1998, 63, 1549–1563

Hydrogenation of a Tetrasubstituted Double Bond: Synthesis of 5-Methyl-19-nor-5 β -pregnanes

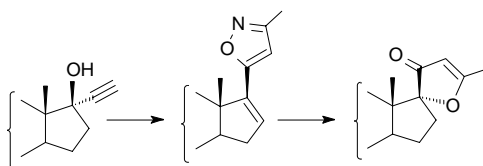
Alexander Kasal, Jiri Polman
and Milos Budesinsky



Collect. Czech. Chem. Commun.
1998, 63, 1564–1574

Synthesis of 17 β -Isoxazolyl Steroids and Spiro[steroid-17,2'-furanone]s

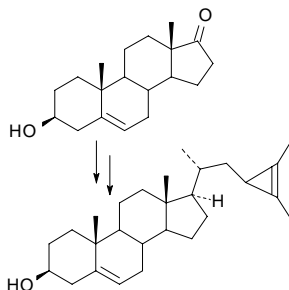
Alexander V. Baranovsky, Marinus B. Groen,
Aede de Groot, Raissa P. Litvinovskaya
and Vladimir A. Khripach



Collect. Czech. Chem. Commun.
1998, 63, 1575–1588

Towards Synthesis of Calysterols, Marine Sterols with Cyclopropene Moiety in the Side Chain: Synthesis of 26,27-Dinor-23H-isocalysterol

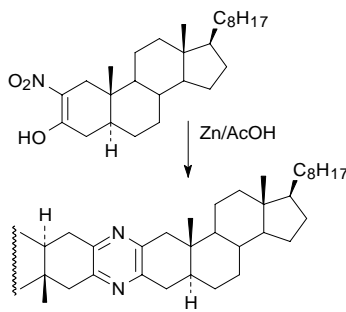
Alicja Kurek-Tyrlik, Kazimierz Minksztym
and Jerzy Wicha



Collect. Czech. Chem. Commun.
1998, 63, 1589–1596

Reduction of 2-Nitro-5 α -cholestan-3-one, Its Enol Tautomer and 2-Nitro-5 α -cholest-2-en-3-amine Derivatives. Synthesis of Bis-Steroidal Pyrazines

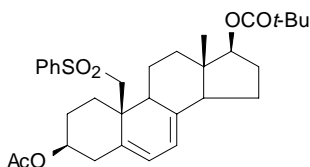
Jacek W. Morzycki, Agnieszka Gryszkiewicz,
Zenon Lotowski and Wojciech J. Szczepek



Collect. Czech. Chem. Commun.
1998, 63, 1597–1612

Synthesis and Photochemical Transformations of 19-Phenylsulfonyl Provitamin D Analogue

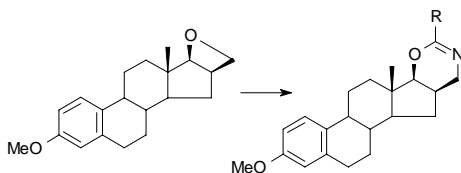
Piotr Grzegorzewski, Izabela Koladkiewicz,
Jacek W. Morzycki and Rafal R. Sicinski



Collect. Czech. Chem. Commun.
1998, 63, 1613–1622

One-Step Conversion of Oxetane-Fused to 1,3-Oxazine-Fused Steroids

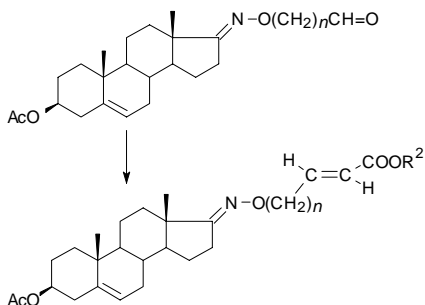
Andrea Hajnal, Janos Wolfing
and Gyula Schneider



Collect. Czech. Chem. Commun.
1998, 63, 1623–1634

Lengthening of the Alkyl Chain in Steroid *O*-(ω -Carboxyalkyl)oximes by Wittig Reaction

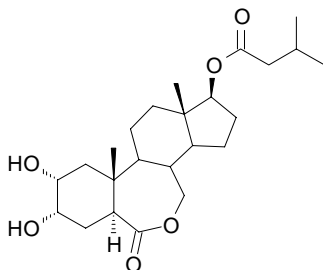
Vladimir Pouzar, Tereza Slavikova
and Ivan Cerny



Collect. Czech. Chem. Commun.
1998, 63, 1635–1645

The Effect of Electrostatic Properties and Ability to Form Hydrogen-Bonds on the Activity of Brassinosteroid Side-Chain Analogs

Carne Brosa, Ismael Zamora,
Emma Terricabras and Ladislav Kohout

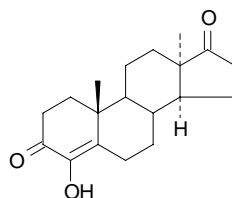


Collect. Czech. Chem. Commun.

1998, 63, 1646–1654

The Preparation of Some 13 α -Androstanes

James R. Hanson, A. Christy Hunter
and Sandrine Roquier

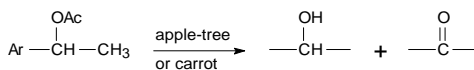


Collect. Czech. Chem. Commun.

1998, 63, 1655–1662

Apple-Tree Shoots and Transformed Carrot and Apple Roots Used as Biocatalysts in Enantioselective Acetate Hydrolysis, Alcohol Oxidation and Ketone Reduction

Agnieszka Mironowicz and Krystyna Kromer

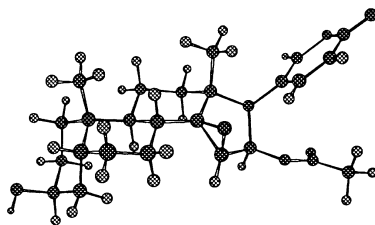


Collect. Czech. Chem. Commun.

1998, 63, 1663–1670

Conformational Preference of Two Toad Poison Bufadienolides, Cinobufagin and Bufotalin

Yoshiaki Kamano, Ayano Kotake, Toshihiko Nogawa,
Hirohumi Hashima, Machiko Tozawa, Hiroshi Morita,
Koichi Takeya, Hideji Itokawa, Ichiro Matsuo,
Yoshitatsu Ichihara, Pavel Drasar
and George R. Pettit

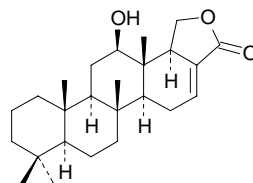


Collect. Czech. Chem. Commun.

1998, 63, 1671–1677

Antineoplastic Agents 385. The Isolation and Structure of a Scalarane-Type Sesterterpene from the Indian Ocean Porifera *Hyrtios erecta*

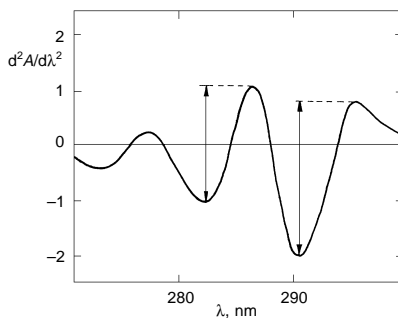
George R. Pettit, Zbigniew A. Cichacz, Rui Tan,
Delbert L. Herald, Noeleen Melody, Michael S. Hoard,
Dennis L. Doubek and John N. A. Hooper



Collect. Czech. Chem. Commun.
1998, 63, 1678–1682

Accessibility of Tyrosine Residues in Cytochrome P-450_{scc} (CYP11A1)

Pavel Anzenbacher, Jiri Hudecek,
Reinhard Lange and Frederic Bancel



Collect. Czech. Chem. Commun.
1998, 63, 1683–1698

Studies on the Mechanism of Antigluocorticoid Action of 7 α -Hydroxydehydroepiandrosterone

Luboslav Starka, Martin Hill, Richard Hampl,
Marie-Irene Malewiak, Aida Benalycherif,
Robert Morfin, Jaroslav Kolena
and Sona Scsukova

- Mechanism of antigluocorticoid activity of 7 α -hydroxydehydroepiandrosterone
- Activation of the cytosolic glucocorticoid receptor complex
- Membrane fluidity of brain cells