

GRAPHICAL ABSTRACTS

ON THE REACTIVITY OF $\text{CF}_n\text{H}_{3-n}\text{CH}_2\text{X}$ ($n = 0, 1, 2$, AND 3 , AND $\text{X} = \text{H}$ OR HALOGEN ATOM)

Tetrahedron, 1992, 48, 5823

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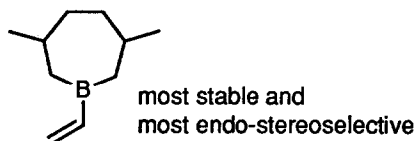
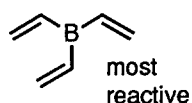
AM1 calculations of ionic cleavage path ways of $\text{CF}_n\text{H}_{3-n}\text{CH}_2\text{X}$ ($\text{X} = \text{Cl}, \text{Br}, \text{I}; n = 0-3$) show that for $n = 3$ the leaving group is CF_3^- , but is X^- for $n < 3$.

TUNING OF VINYLBORANE DIENOPHILICITY. OPTIMIZATION OF REACTIVITY, REGIOSELECTIVITY, *ENDO*-STERESELECTIVITY, AND REAGENT STABILITY

Tetrahedron, 1992, 48, 5831

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By choice of alkyl-substituents on boron, the reactivity, regioselectivity, *endo*-stereoselectivity, and stability of vinylboranes can be optimized.



The Synthesis and Complete ^1H and ^{13}C NMR Spectral Assignment of 2,2,4,4,6,6- Hexanitroadamantane and its Precursor Nitroketones by 2D NMR Spectroscopy

P. R. Dave

Geo-Centers, Inc. at ARDEC, 762 Route 15 South, Lake Hopatcong, N.J. 07849

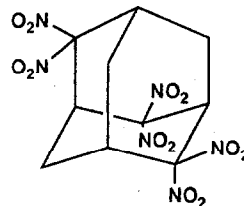
A. Bracuti

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T. Axenrod and B. Liang

Department of Chemistry, The City College of the CUNY, New York, N.Y. 10031

Tetrahedron, 1992, 48, 5839



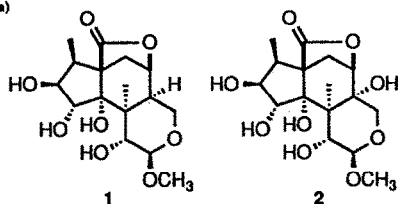
Tetrahedron, 1992, 48, 5847

ILLICINOLIDES A AND B, NOVEL SESQUITERPENE LACTONES FROM THE WOOD OF *ILICIIUM TASHIROI*

Y. Fukuyama,* N. Shida, M. Kodama,* M. Kido,¹⁾ M. Nagasawa,¹⁾ and M. Sugawara,¹⁾

Faculty of Pharmaceutical Sciences, Tokushima Bunri University, Tokushima 770, Japan and ¹⁾Otsuka Pharmaceutical Co., Ltd., Tokushima 771-01, Japan

The structures of illicinolides A (1) and B (2) are described.



Tetrahedron, 1992, 48, 5855

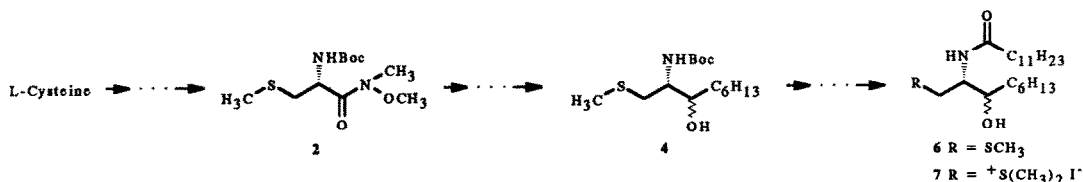
Synthesis of Potential Inhibitors of the Glycosphingolipid Biosynthesis

Gerald Brenner-Weiß, Athanassios Giannis* and Konrad Sandhoff

Institut für Organische Chemie und Biochemie der Universität Bonn

Gerhard-Domagk-Str. 1, 5300 Bonn 1, FRG

A synthesis of ceramide analogs 6 and 7 is reported here starting from L-cysteine.



Tetrahedron, 1992, 48, 5861

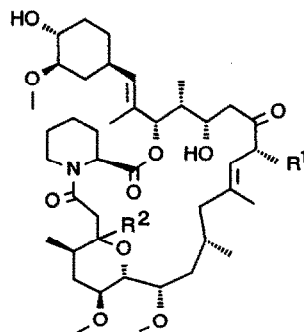
Synthesis of Derivatives of FK 506 and FR 900520: Modifications at the Binding Domain

Gerhard Emmer* and Sabine Weber-Roth

Sandoz Forschungsinstitut, Brunnerstrasse 59, A-1230-Wien, Austria.

The synthesis of 9-deoxy-FK 506 (13a), 9-deoxy-FR900520 (13b), 9-deoxy-10(R)-deoxy-FR 900520 (14) and 9-deoxy-10(S)-deoxy-FR 900520 (15) is described.

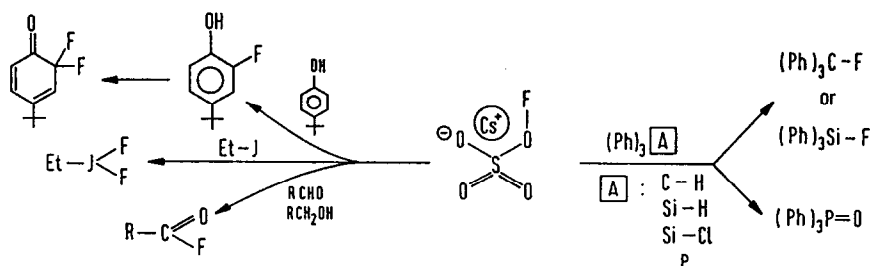
- 13a : R¹=allyl, R²=OH
 13b : R¹=Et, R²=OH
 14 : R¹=Et, R²=H (R)
 15 : R¹=Et, R²=H (S)



Tetrahedron, 1992, 48, 5875

THE EFFECT OF HETEROATOMS ON THE REACTIONS OF ORGANIC MOLECULES WITH CAESIUM FLUOROSULPHATE

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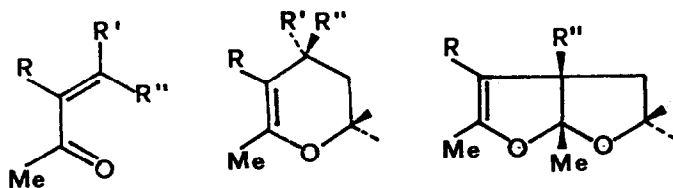


Tetrahedron, 1992, 48, 5883

SYNTHESIS OF FURO-FURANS BY REARRANGEMENT OF 4-ACETILPYRANS

Angela M.Celli, Mirella Scotton*, Alessandro Segal
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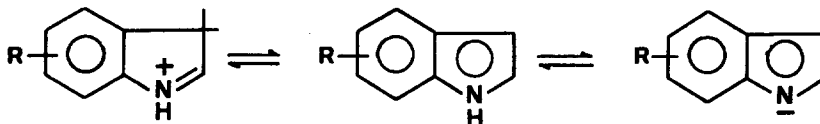
4-Acetyloxabutadienes react with vinyl ethers to give 5,6-dihydropyrans. The cycloadducts easily rearrange to furo[2,3-b]furans.



Tetrahedron, 1992, 48, 5901

AN EXPERIMENTAL AND THEORETICAL STUDY OF THE ACID-BASE PROPERTIES OF SUBSTITUTED INDOLES

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Departamento de Química Física, Facultad de Farmacia, Universidad de Sevilla, 41012 Sevilla, Spain.

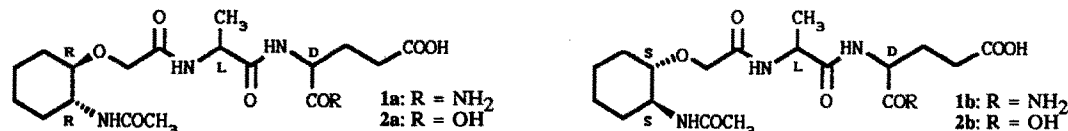


Experimental and theoretical studies on the acidity and basicity of a representative set of benzene substituted indoles have been carried out.
(R = Me, MeO, OH, Cl, Br, COOH, CN, NO₂).

PREPARATION OF DIASTEREOMERICALLY PURE IMMUNOLOGICALLY ACTIVE CARBOCYCLIC *nor*-MURAMYLDIPEPTIDE ANALOGUES

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Carbocyclic *nor*-muramyldipeptide analogues **1a-b** and **2a-b** have been prepared from *rac-trans*-2-azidocyclohexanol and (1*R*,2*R*)/(1*S*,2*S*)-2-aminocyclohexanol, respectively.



CATALYTIC THIOETHER AND THIOACETAL FORMATION USING BIS(DIPHENYLPHOSPHINO)METHANE COMPLEXES OF PLATINUM (II)

Philip C. Bulman Page^{*}, Sukhbinder S. Klair, Michael P. Brown, Christopher S. Smith, Stephen J. Maginn, and Suzanne Mulley
Robert Robinson and Donnan Laboratories, Department of Chemistry,
University of Liverpool, P.O. Box 147, Liverpool, L69 3BX, England

Thioether and thioacetal formation from thiols and alkyl halides is catalyzed by bis(diphenylphosphino)methane complexes of Platinum (II)

