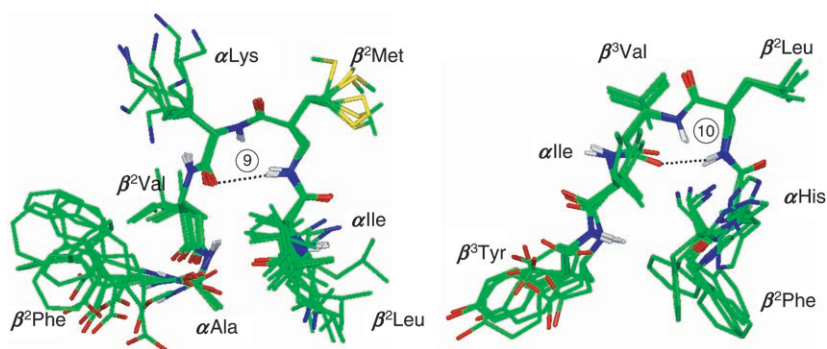


Contents

Synthesis, and Helix or Hairpin-Turn Secondary Structures of 'Mixed' α/β -Peptides Consisting of Residues with Proteinogenic Side Chains and of 2-Amino-2-methylpropanoic Acid (Aib)

*D. Seebach**, *B. Jaun**, *R. Sebesta*, *R. I. Mathad*, *O. Flögel*, *M. Limbach*, *H. Sellner*, *S. Cottens*

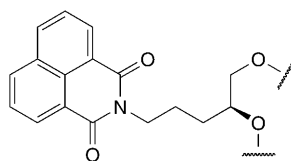
1801



Intercalating Nucleic Acids Containing Insertions of Naphthalimide

M. C. Wamberg, *K. Walczak*, *L. Andersen*, *A. A. Hassan*, *E. B. Pedersen**

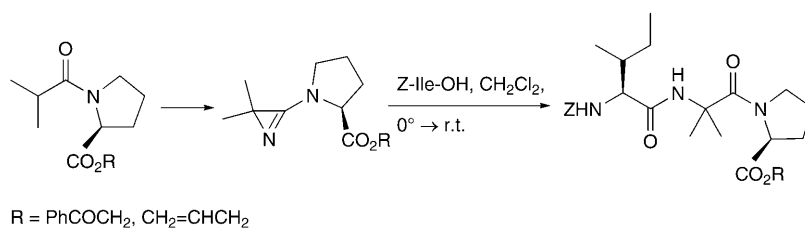
1826



Novel *N*-(2,2-Dimethyl-2*H*-azirin-3-yl)-*L*-prolinates as Aib-Pro Synthons

*S. Stamm, H. Heimgartner**

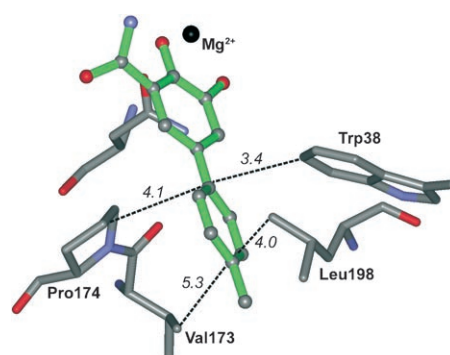
1841



Synthesis and Biological Evaluation of Potent Bisubstrate Inhibitors of the Enzyme Catechol *O*-Methyltransferase (COMT) Lacking a Nitro Group

R. Paulini, C. Lerner, F. Diederich, R. Jakob-Roetne, G. Zürcher, E. Borroni*

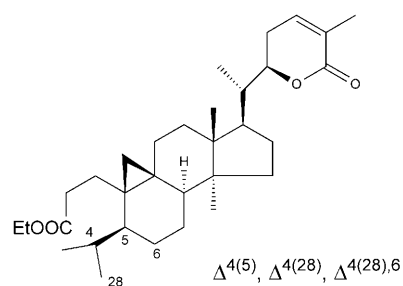
1856



Three New Cyclolanostane Triterpenoids from the Ethanol Extract of the Stems of *Kadsura heteroclita*

*W. Wang, J.-Z. Liu, X.-C. Ma, M. Yang, W.-X. Wang, Z.-R. Xu, P. Liu, D.-A. Guo**

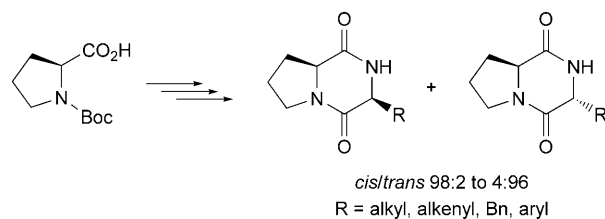
1888



Diastereoselective Alkylation of a Proline-Derived Bicyclic Lactim Ether

D. Hendea, S. Laschat*, A. Baro, W. Frey

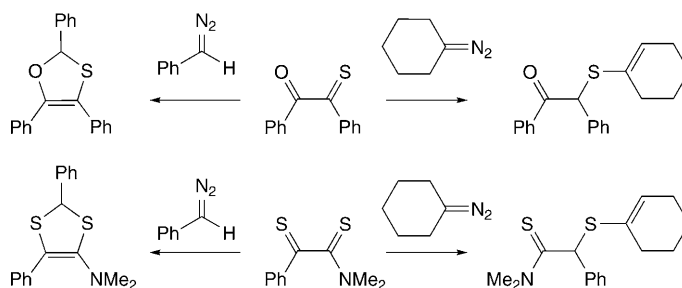
1894



1,5-Dipolar Electrocyclizations in Reactions of α -Thio Ketones and α -Thio Thioamides with Diazo Compounds

D. H. Egli, A. Linden, H. Heimgartner*

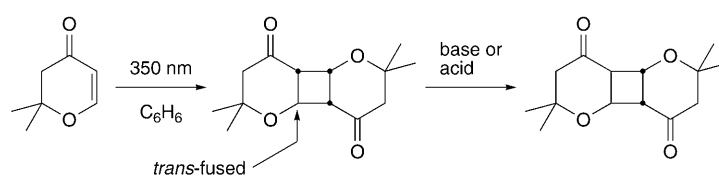
1910

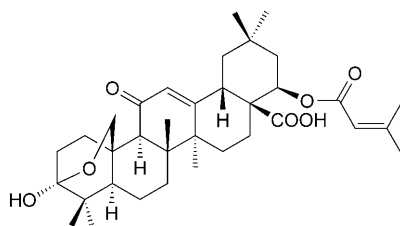


The Photocyclodimers of 2,3-Dihydro-2,2-dimethyl-4H-pyran-4-one

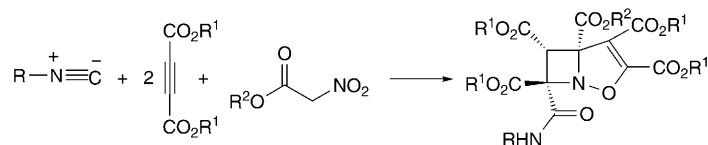
K. Schmidt, J. Kopf, P. Margaretha*

1927

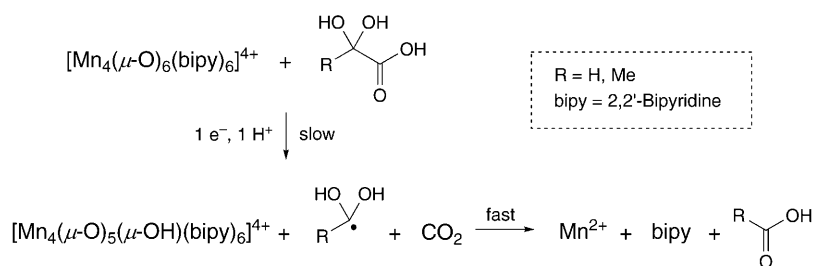




One-Pot Synthesis of Pentaalkyl 7-[(Alkylamino)carbonyl]-2-oxa-1-azabicyclo[3.2.0]-hept-3-ene-3,4,5,6,7-pentacarboxylate



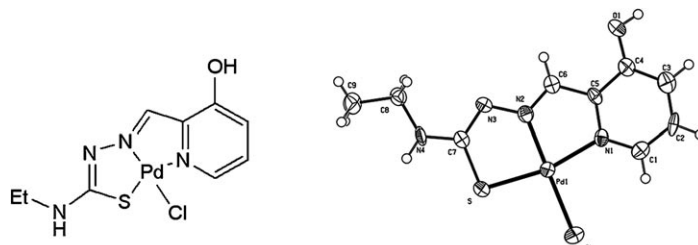
Mechanistic Studies on the Oxidation of Glyoxylic and Pyruvic Acid by a $[\text{Mn}_4\text{O}_6]^{4+}$ Core in Aqueous Media: Kinetics of Oxo-Bridge Protonation



Palladium(II) Complexes of the Thiosemicarbazone and *N*-Ethylthiosemicarbazone of 3-Hydroxypyridine-2-carbaldehyde: Synthesis, Properties, and X-Ray Crystal Structure

*M. A. Demertzis**, *P. N. Yadav*, *D. Kovala-Demertzi**

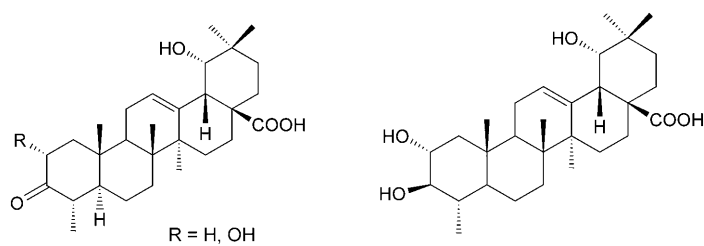
1959



Three New 24-Noroleanane Triterpenoids from *Quercus aliena* var. *acuteserrata*

H.-D. Chen, *S.-P. Yang*, *S.-G. Liao*, *C.-R. Zhang*, *J.-M. Yue**

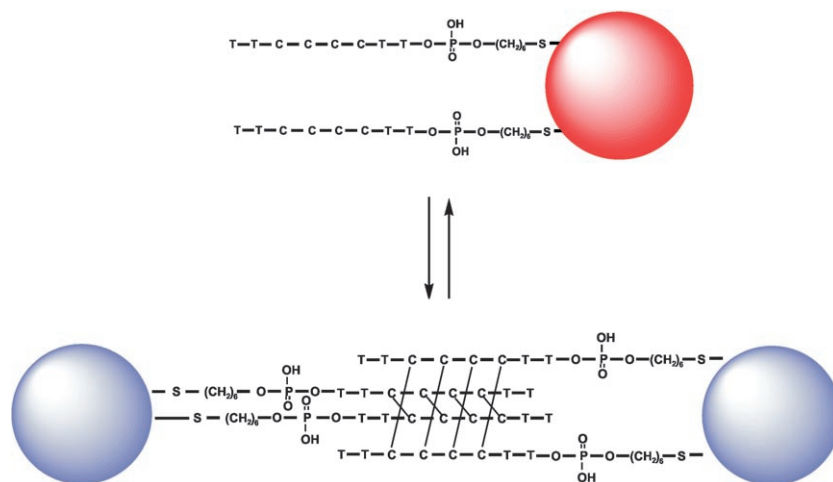
1971



pH-Dependent Assembly of DNA–Gold Nanoparticles Based on the i-Motif:
A Switchable Device with the Potential of a Nanomachine

F. Seela*, S. Budow

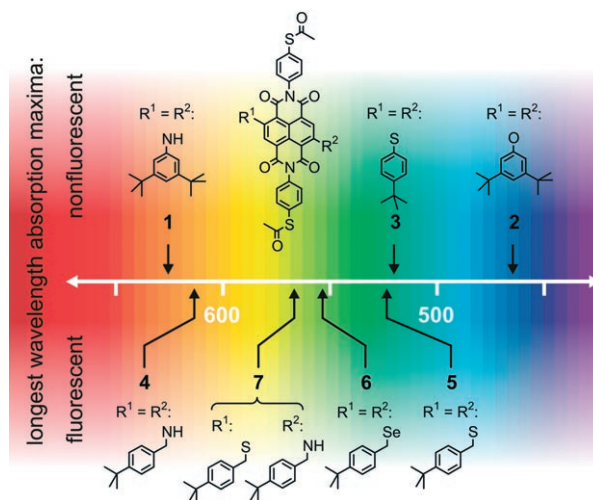
1978



Synthesis, Structure, and Optical Properties of Terminally Sulfur-Functionalized
Core-Substituted Naphthalene-Bisimide Dyes

A. Blaszczyk, M. Fischer, C. von Hänisch, M. Mayor*

1986

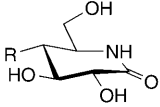


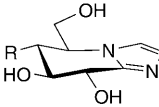
Probing the Interaction of the Hydroxy Group at C(4) of Lactone-Type Inhibitors with β -Glucosidases and β -Galactosidases

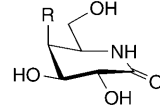
J. Pabba, A. Vasella*

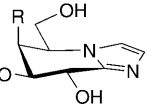
2006

Difference of the inhibition of β -glucosidases for R = NH₂ vs. R = OH and R = H vs. R = OH and of β -galactosidases for R = H vs. R = OH









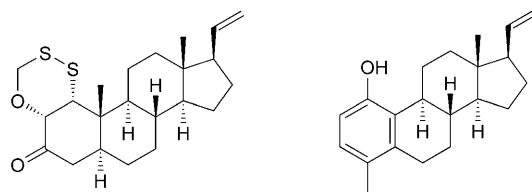
R = OH, NH₂, or H

	β -Glucosidase				β -Galactosidase		
	Sweet Almonds	<i>Cald. sacch.</i>	Sweet Almonds	<i>Cald. sacch.</i>	<i>E. coli</i>	Bovine Liver	<i>E. coli</i>
$\Delta\Delta G_{\text{diss}}$ (OH \rightarrow NH ₂) [kcal/mol]	+1.9	+2.7	+3.1	+3.1			
$\Delta\Delta G_{\text{diss}}$ (OH \rightarrow H) [kcal/mol]	+2.4	+2.8	+2.7	+3.1	$\geq +3.0$	+2.6	+4.5

Krempenes A–D: A Series of Unprecedented Pregnane-Type Steroids from the Marine Soft Coral *Cladiella krempfi*

X. Huang, Z. Deng, X. Zhu, L. van Ofwegen, P. Proksch, W. Lin*

2020



The Binary System Tetradecanedioic Acid–Hexadecanedioic Acid: Polymorphism of the Components and Experimental Phase Diagram

L. Ventolà*, V. Metivaud, L. Bayés, R. Benages, M. Á. Cuevas-Diarte, T. Calvet, D. Mondieig

2027

