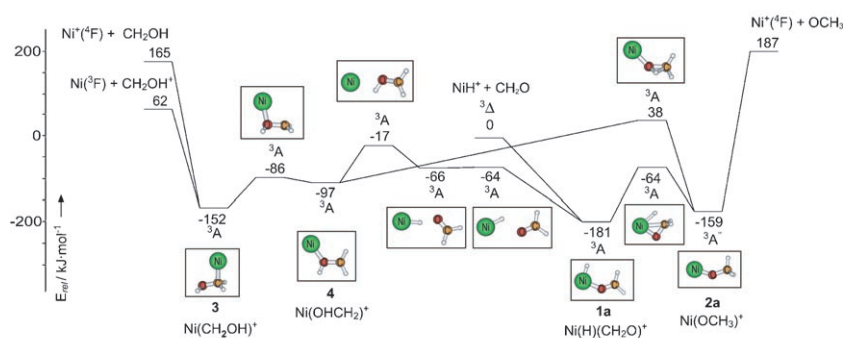


## Contents

### Specific Processes and Scrambling in the Dehydrogenation of Ethane and the Degenerate Hydrogen Exchange in the Gas-Phase Ion Chemistry of the $\text{Ni}(\text{C}_2\text{H}_3\text{O})^+/\text{C}_2\text{H}_6$ Couple Short Communication

*M. Schlangen, H. Schwarz\*, D. Schröder*

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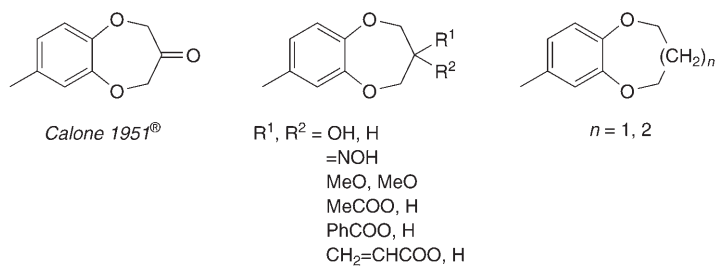


Not only the  $(\text{Ni}_2\text{C}_2\text{H}_3\text{O})^+$  landscape is complex, even more puzzling are the reactions with  $\text{C}_2\text{H}_6$ .

### Synthesis and Qualitative Olfactory Evaluation of Benzodioxepine Analogues

*B. Drevermann, A. R. Lingham, H. M. Hügel\*, P. J. Marriott*

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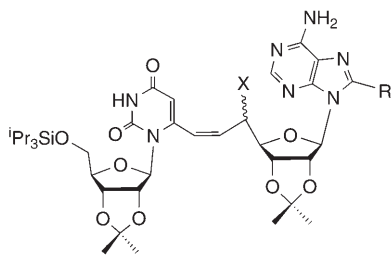


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Oligonucleotide Analogues with Integrated Bases and Backbone  
Part 15. Synthesis and Association of Ethylene-Linked Self-Complementary Dimers

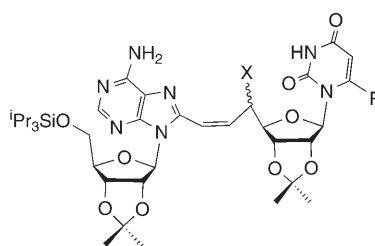
X. Zhang, B. Bernet, A. Vasella\*

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cyclic duplex:

X = H, R = H or CH<sub>2</sub>OSi<sup>t</sup>BuPh<sub>2</sub>



linear duplexes:

X = OH, R = H

linear and cyclic duplexes:

X = OH, R = H or CH<sub>2</sub>OSi<sup>t</sup>BuPh<sub>2</sub>

mostly linear duplexes:

X = OH, R = CH<sub>2</sub>OSi<sup>t</sup>BuPh<sub>2</sub>

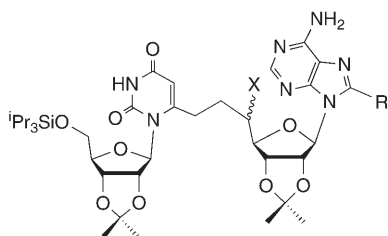
X = H, R = H or CH<sub>2</sub>OSi<sup>t</sup>BuPh<sub>2</sub>

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Oligonucleotide Analogues with Integrated Bases and Backbone  
Part 16. Synthesis and Association of Ethylene-Linked Self-Complementary Dimers

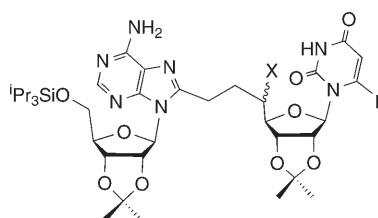
X. Zhang, B. Bernet, A. Vasella\*

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cyclic duplexes and higher associates:

X = H or OH, R = H or CH<sub>2</sub>OSi<sup>t</sup>BuPh<sub>2</sub>



mostly cyclic duplexes and higher associates:

X = H or OH, R = H or CH<sub>2</sub>OSi<sup>t</sup>BuPh<sub>2</sub>

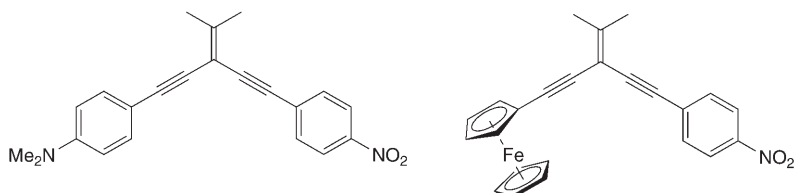
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Donor/Acceptor Effects on the Linear and Nonlinear Optical Properties of Geminal Diethynylethenes (g-DEEs)

Y. Zhao\*, N. Zhou, A. D. Slepko, S. C. Ciulei, R. McDonald, F. A. Hegmann\*, R. R. Tykwinski\*

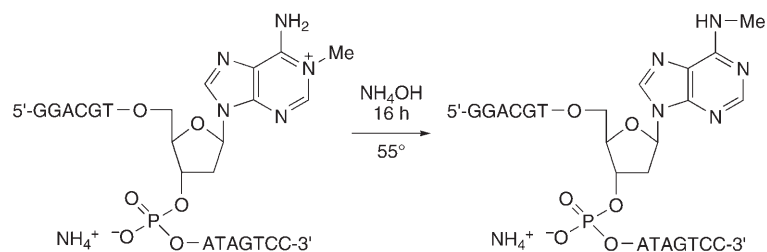
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Oligodeoxynucleotides Containing 2'-Deoxy-1-methyladenosine and *Dimroth* Rearrangement

E. N. Timofeev, S. N. Mikhailov\*, A. N. Zuev, E. V. Efimtseva, P. Herdewijn\*, R. L. Somers, M. M. Lemaitre

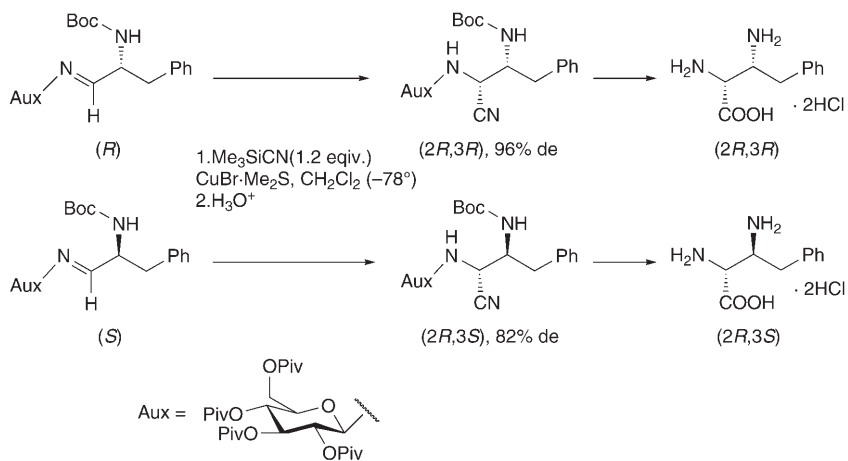
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A Novel Method for the Asymmetric Synthesis of  $\alpha,\beta$ -Diamino Acids by a Glucose-Mediated Stereoselective *Strecker* Reaction

D. Wang, P.-F. Zhang\*, B. Yu

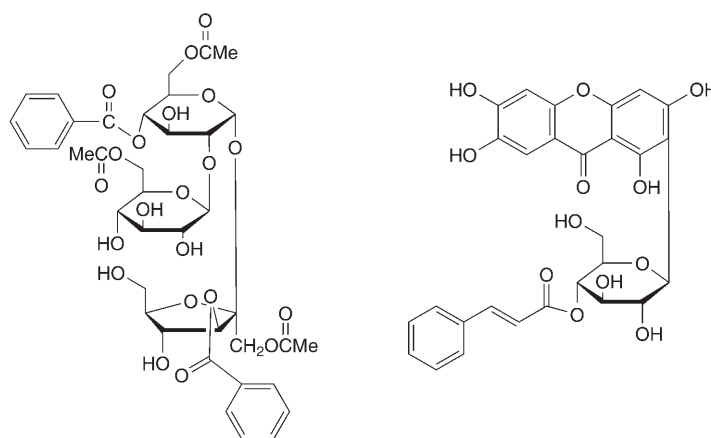
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New Oligosaccharide Esters and Xanthone C-Glucosides from *Polygala telephioides*

H.-T. Chang, P.-F. Tu\*

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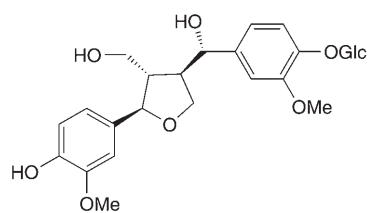


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Two New Lignan Glycosides from *Saussurea laniceps*

Z.-W. Zhou, S. Yin, X.-N. Wang, C.-Q. Fan, H. Li, J.-M. Yue\*

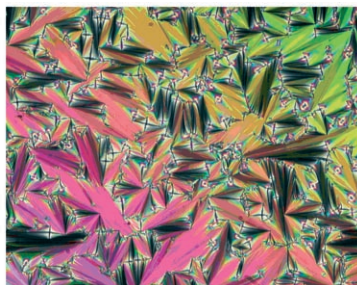
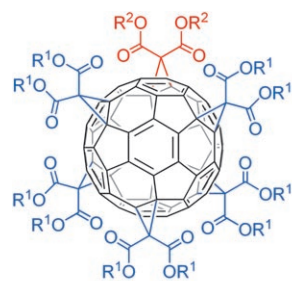
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Liquid-Crystalline Mixed [5:1]Hexa-adducts of [60]Fullerene  
Preliminary Communication

S. Gottis, C. Kopp, E. Allard\*, R. Deschenaux\*

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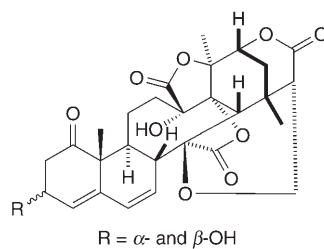


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Two Novel Neophysalins from *Physalis alkekengi* L. var. *franchetii*

R. Chen, J.-Y. Liang\*, R. Liu

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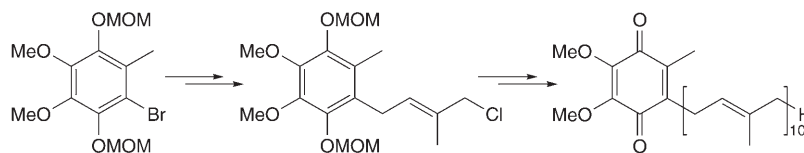
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Synthetic Studies on Coenzyme Q<sub>10</sub>

Part 3. An Improved C<sub>5</sub> + C<sub>45</sub> Approach to the Stereoselective Synthesis of Coenzyme Q<sub>10</sub> via Metal-Halogen Exchange Strategy

X.-J. Yu, H.-F. Dai, F.-E. Chen\*

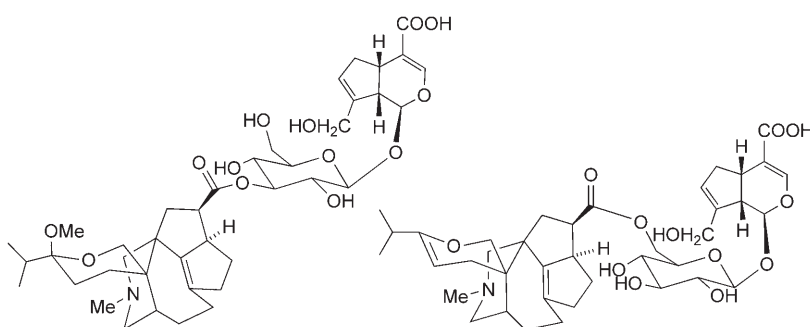
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Two New Iridoid Alkaloids, Daphmacropodosidines A and B, from *Daphniphyllum macropodum*

N.-C. Kong, H.-P. He, Y.-H. Wang, S. Gao, Y.-T. Di, X.-J. Hao\*

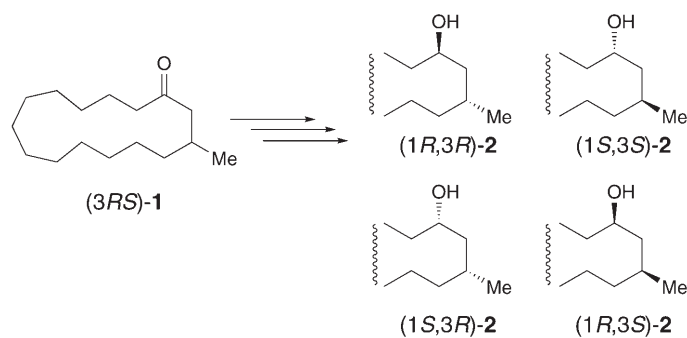
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Stereoselective and Enantioselective Syntheses of the Four Stereoisomers of Muscol from (3*RS*)-Muscone

Y. Yuasa\*, H. Fukaya, Y. Yuasa

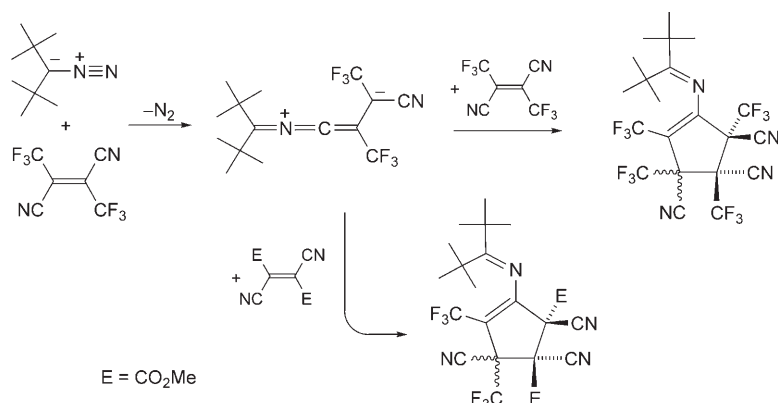
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Reactions of Di(*tert*-butyl)diazomethane with Acceptor-Substituted Ethylenes

R. Huisgen\*, P. Pöchlauer, G. Mlostoń, K. Polborn

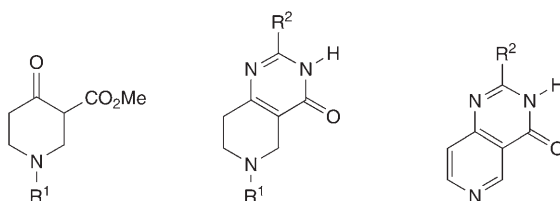
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Synthesis and Structure of 2-Substituted Thieno[3',2':5,6]pyrido[4,3-*d*]pyrimidin-4(3*H*)-one Derivatives

J.-C. Liu, H.-W. He\*, M.-W. Ding

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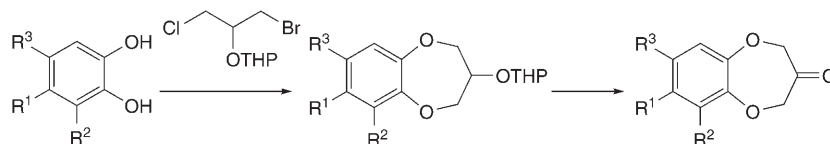


R<sup>1</sup> = PhCH<sub>2</sub>, Me; R<sup>2</sup> = Ph, Me

Synthesis of Benzodioxepinone Analogues via a Novel Synthetic Route with Qualitative Olfactory Evaluation

B. Drevermann, A. R. Lingham, H. M. Hügel\*, P. J. Marriott

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R<sup>1</sup> = R<sup>3</sup> = H, R<sup>2</sup> = Me  
 R<sup>1</sup> = R<sup>3</sup> = H, R<sup>2</sup> = MeO  
 R<sup>1</sup> = R<sup>2</sup> = R<sup>3</sup> = H  
 R<sup>1</sup> = NO<sub>2</sub>, R<sup>2</sup> = R<sup>3</sup> = H

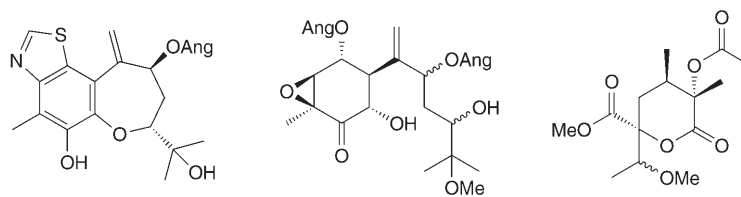
R<sup>1</sup> = CHO, R<sup>2</sup> = R<sup>3</sup> = H  
 R<sup>1</sup> = <sup>t</sup>Bu, R<sup>2</sup> = R<sup>3</sup> = H  
 R<sup>1</sup>-R<sup>3</sup> = CH=CH-CH=CH, R<sup>2</sup> = H  
 (R<sup>1</sup> = H, R<sup>2</sup> = Me, R<sup>3</sup> = Br)

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Sesquiterpenoids and Lactone Derivatives from *Ligularia dentata*

H. Baba, Y. Yaoita, M. Kikuchi\*

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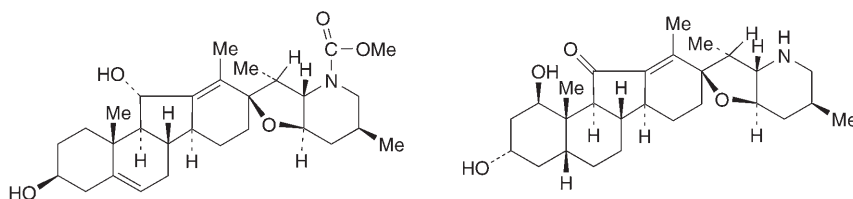


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Steroidal Alkaloids from the Roots and Rhizomes of *Vertrum nigrum* L.

Y. Cong, W. Jia, J. Chen, S. Song, J.-H. Wang\*, Y.-H. Yang

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\* Author to whom correspondence should be addressed  
Korrespondenzautor