

ARKIVOC Volume 2001

Part (xii): Commemorative Issue in Honor of Prof. Oswald S. Tee on the occasion of his 60th anniversary

Facilitator: Thomas Tidwell
Scientific Editor: Paul Krapcho

1. A Tribute to Prof. Oswald S. Tee (OT-451CT)

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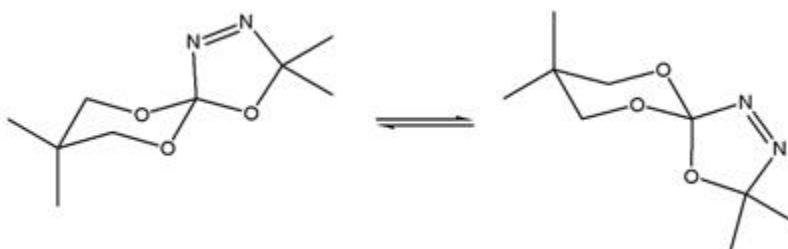
accepted Nov 5 2001; published Jun 26 2005;

2. Structure of a spiro-fused 2,2-dioxo- Δ^3 -1,3,4-oxadiazoline (OT-243CP)

Nadine Merkley and John Warkentin

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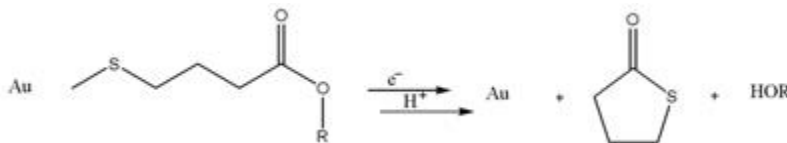
received Jun 23 2001; accepted Sep 24 2001; published Oct 2 2001;

3. Intramolecular thiolysis of 4-mercaptobutyrate esters: developing a “traceless” linker for alcohol release from self-assembled monolayers on gold (OT-300CP)

Max B. Buchmann, Thomas M. Fyles, Trevor Mischki, Todd Sutherland, Christine C. Tong and Vivian L.Y. Yip

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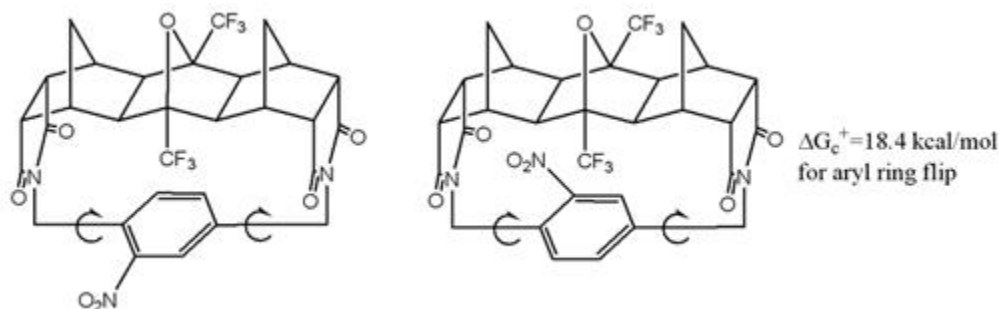
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4. Aryl ring dynamics in *bis*-succinimido-cyclophanes (OT-280CP)

Douglas N. Butler, Muhong Shang, David Mann and Martin R. Johnston

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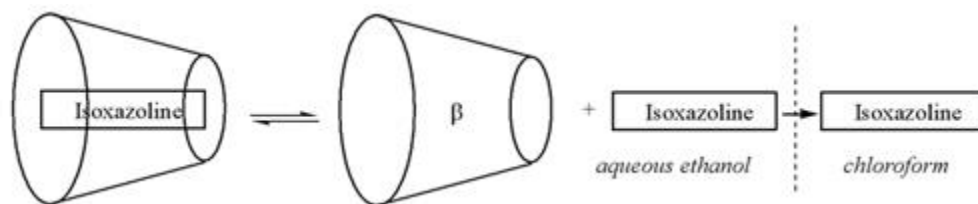
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5. Effect of β -cyclodextrin on the extraction of isoxazolines from aqueous ethanol into chloroform (OT-303CP)

Christopher J. Easton, C. Merrick Hughes, Stephen F. Lincoln, Gregory W. Simpson and George J. Vuckovic

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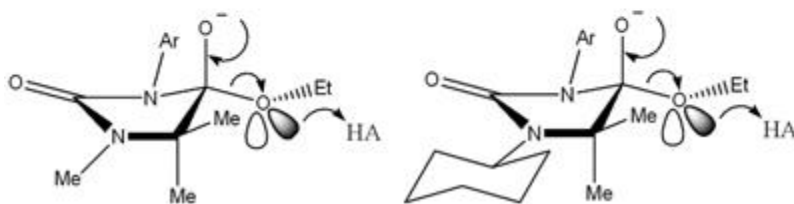
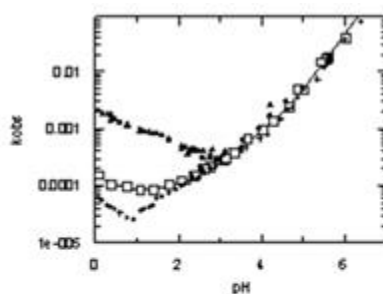
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6. The gem-dimethyl effect in reactions through tetrahedral intermediates: cyclizations of some ethyl 2,3-disubstituted-5-(*p*-nitrophenyl) hydantoates (OT-311CP)

Asen H. Koedjikov, Petko M. Ivanov and Ivan G. Pojarlieff

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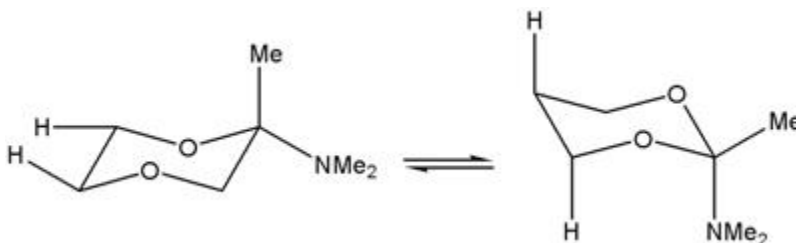
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7. Conformational equilibria involving 2-amino-1,3-dioxans: steric control of the anomeric effect (OT-307CP)

Anthony J. Kirby and Peter D. Wothers

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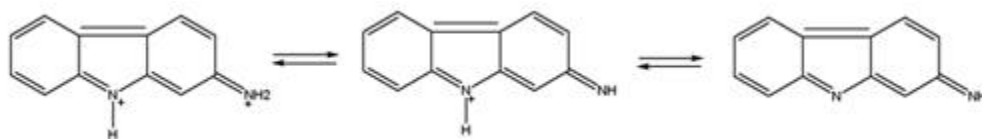
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8. The 2-carbazolynitrenium ion and its conjugate acid and base forms (OT-286CP)

Robert A. McClelland and Victoria E. Lence

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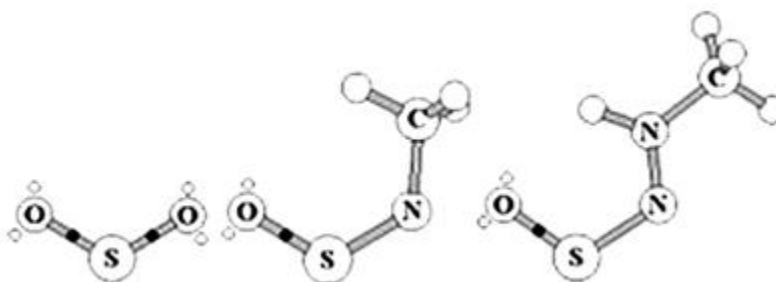
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9. The sulfur–oxygen bond in sulfinylamines and sulfinylhydrazines: an AIM study (OT-304CP)

Heidi M. Muchall

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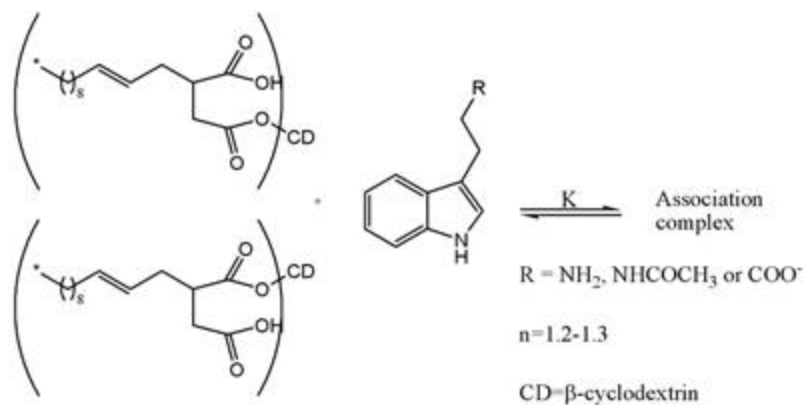
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10. Synthesis and complexation properties of an amphiphilic cyclodextrin (OT-302CP)

Carlos J. Gonzalez and Rita H. de Rossi

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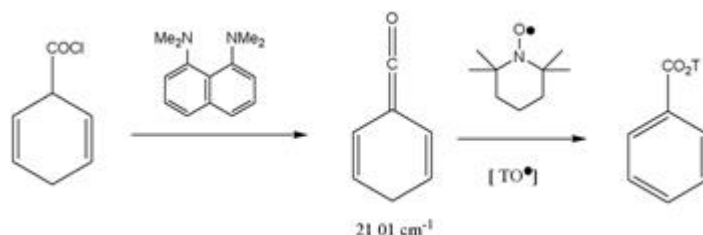
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11. Ketenylidene-1,4-cyclohexadiene: preparation of a divinylketene and reaction with the aminoxyl radical TEMPO (OT-289CP)

Kazem Saidi and Thomas T. Tidwell

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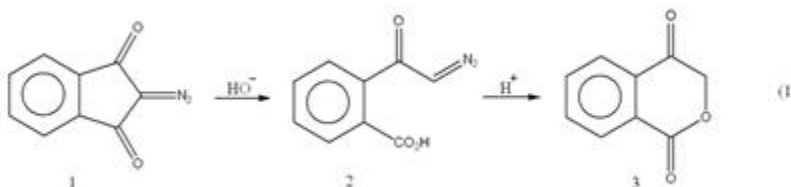
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12. Kinetics and mechanism of the base-catalyzed cleavage of 2-diazo-1,3-indanedione and the acid-catalyzed decomposition of its hydrolysis product, 2-(diazoacetyl)benzoic acid (OT-301CP)

Yvonne Chiang, A. Jerry Kresge and Yu Zhu

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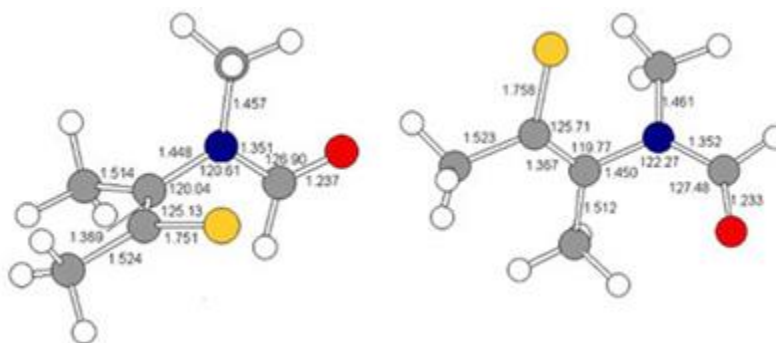
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13. Geometry and energy of amidoenethiolate conformers formed by ring-opening of several thiazolium ions in base: a theoretical study using density functional theory (OT-313CP)

Belquis Mothana, Trevor A. Bourgeois, Rebecca M. Longley, Geri-Lynn Devereaux, Robert S. McDonald and Katherine Valenta Darvesh

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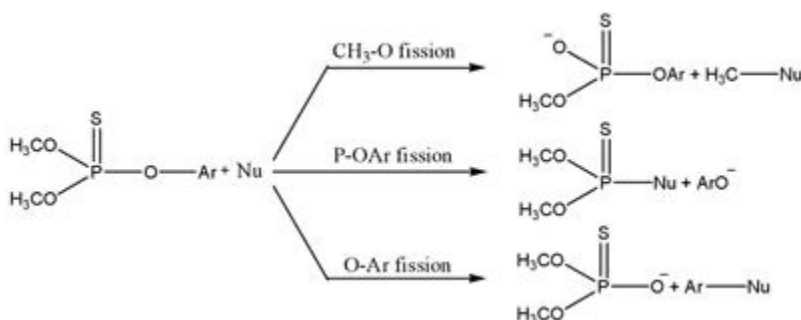
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14. Competing pathways in the reaction of the pesticide Fenitrothion [*O,O*-dimethyl *O*-(3-methyl-4-nitrophenyl) phosphorothioate] with some nitrogen nucleophiles in aqueous solution (OT-314CP)

Ikenna Onyido, John E. Omakor, Gary W. vanLoon and Erwin Buncel

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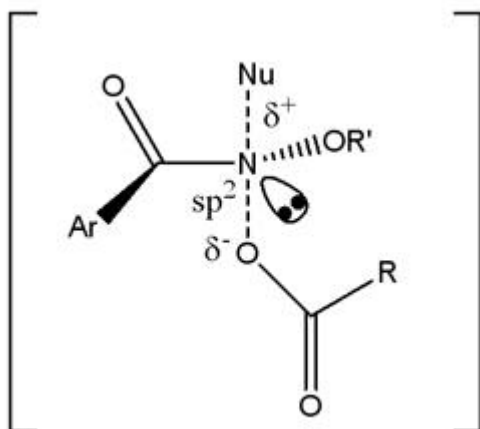
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15. S_N2 reactions at amide nitrogen – theoretical models for reactions of mutagenic *N*-acyloxy-*N*-alkoxyamides with bionucleophiles (OT-308CP)

Stephen A. Glover

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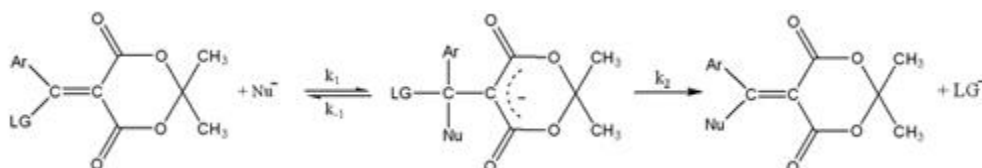
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16. Reactions of substituted benzylidene Meldrum's acids and methylthiobenzylidene Meldrum's acids with $\text{OH}^{\text{A-}}$, $\text{CF}_3\text{CH}_2\text{O}^{\text{A-}}$ And $\text{HOCH}_2\text{CH}_2\text{S}^{\text{A-}}$ in 50% DMSO-50% water. π -Donor effects, soft acid-base interactions and transition state imbalances (OT-298CP)

Claude F. Bernasconi, Rodney J. Ketner, Xin Chen and Zvi Rappoport

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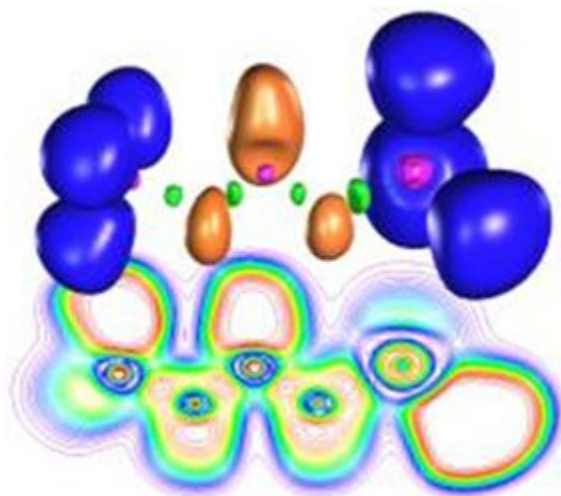
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17. Investigation of the mechanism of 1,2-migrations in methoxysiloxycarbene with the electron localization function (OT-320CP)

Paul G. Loncke, Timothy A. Gadosy and Gilles H. Peslherbe

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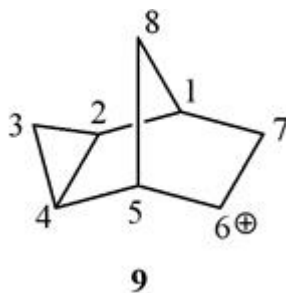
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18. A density functional theory study on the rearrangements of the 6-tricyclo[3.2.1.0^{2,4}]octyl cation and its isomers: a walk on the C₈H₁₁⁺ potential energy surface and a peek at molecular structures with AIM (OT-270CP)

Nick Henry Werstiuk and Yi-Gui Wang

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