John C. Gilbert

Chair

undefined

jgilbert@scu.edu

Office: 408-554-4780

Fax: 866-572-9825

Daly Science 204

Degree Information

B.S., University of Wyoming

M.S., Ph.D., Yale University

|  |  |
| --- | --- |
| **Degrees** | PHD, 1965, Yale University, Physical Organic Chemistry |

Research Interests

Organic chemistry, with special emphasis on synthetic methodology and reactive intermediates

Publications

John C. Gilbert and J. Yin. An approach towrd the synthesis of subergogic acid. Tetrahedron, 2008, 60, 5482-5490.

John C. Gilbert and J. Yin, “Interconversion of Bicyclo[2.2.1]hept-2-yne and 5-Bicyclo[2.1.1]hexylidenecarbene,”J. Org. Chem.2006, 72, 5658–5661.

JOHN C. GILBERT, and S. F. Martin, Experimental Organic Chemistry: A Miniscale & Microscale Approach, Belmont, CA: Thomson Brooks/Cole 2006, xvi+ 927 pp.

JOHN C. GILBERT, and S. F. Martin, Student Tools, Web-Based Ancillary, Belmont, CA: Thomson Brooks/Cole 2006.

Steven M. Bachrach and JOHN C. GILBERT, “The Reaction of Ethene with Cyclopentyne: Concerted vs. Stepwise Mechanism?,” J. Org. Chem. 2004, 69, 6357–6364.

John C. Gilbert, Jiandong Yin, Fatima H. Fakhreddine, and Matthew L. Karpinski, “Facial Selectivity of the Ireland-Claisen Rearrangement of Allylic Esters of 2-Methyl- and 2-Methoxycyclopentanecarboxylates,” Tetrahedron 2004, 60, 51–60.

JOHN C. GILBERT and D.-R. Hou, “Stereochemistry of the Diels-Alder Reaction of Cyclopentyne,” Tetrahedron 2004, 60, 469–474.

JOHN C. GILBERT and J. Yin, “An approach toward the synthesis of subergorgic acid,” Tetrahedron 2008, 60, 5482–5490.

JOHN C. GILBERT and J. Yin, “Interconversion of Bicyclo[2.2.1]hept-2-yne and 5-Bicyclo[2.1.1]hexylidenecarbene,” J. Org. Chem. 2006, 72, 5658–5661.

Steven M. Bachrach and JOHN C. GILBERT, “The Reaction of Ethene with Cyclopentyne: Concerted vs. Stepwise Mechanism?,” J. Org. Chem. 2004, 69, 6357–6364.

JOHN C. GILBERT, Jiandong Yin, Fatima H. Fakhreddine, and Matthew L. Karpinski, “Facial Selectivity of the Ireland-Claisen Rearrangement of Allylic Esters of 2-Methyl- and 2-Methoxycyclopentanecarboxylates,” Tetrahedron 2004, 60, 51–60.

JOHN C. GILBERT and D.-R. Hou, “Stereochemistry of the Diels-Alder Reaction of Cyclopentyne,” Tetrahedron 2004, 60, 469–474.