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Physical Organic Chemistry

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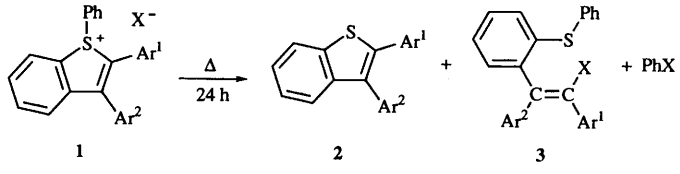
Perkin Communications



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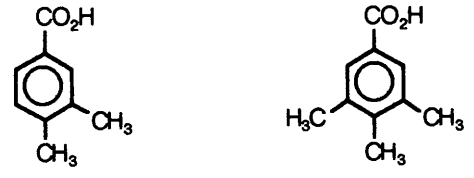
Articles



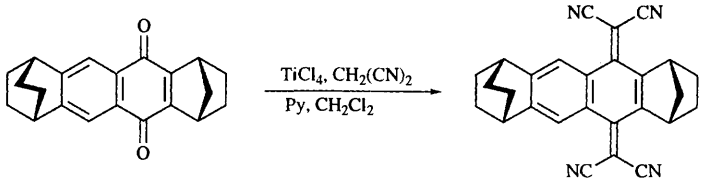
The effect of methyl groups on the enthalpy of formation or on the gas-phase acidity is stronger than anticipated from monomethyl derivatives

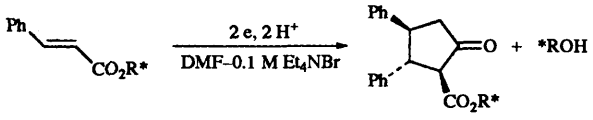
$$RSNO + 2OH^- \xrightarrow{Cu^{2+}?} RS^- + NO_2^- + H_2O$$

$$Cu^{2+} + RS^- \rightleftharpoons X \longrightarrow Cu^+ + RS^\bullet$$

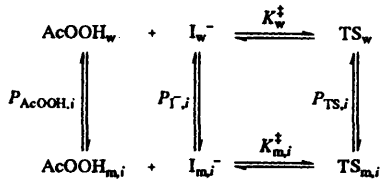
$$Cu^+ + RSNO \rightleftharpoons Y \longrightarrow Cu^{2+} + RS^- + NO$$

$$2RS^\bullet \longrightarrow RSSR$$

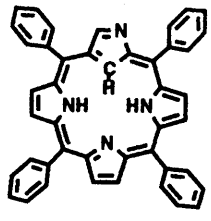




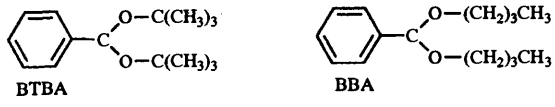
R* = Me, Et, Bu^t, (−)-menthyl, (−)-bornyl, (+)-*N*-Bu-ephedrine, (+)-*N*-tosylephedrine, phenyl, 4-MeO-C_6H_4, 4-CN-C_6H_4



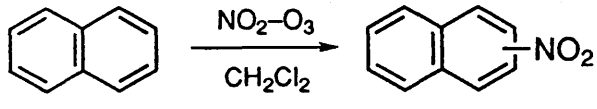
Subscripts w and m,*i* represent, respectively the bulk water and *i*th micellar pseudophases



NC-TPP



The reaction of BTBA is general acid catalysed in comicelles of sodium dodecyl sulfate and sodium decyl hydrogen phosphate, while BBA exhibits only hydrogen ion catalysed hydrolysis



$\alpha:\beta = 35 - 70$

AUTHOR INDEX

NOTE: An asterisk in the heading of each paper indicates the author who is to receive any correspondence.

11th

INTERNATIONAL CONFERENCE
ON ORGANIC SYNTHESIS (ICOS-11)
organized by the Stichting Chemische Congressen V under the auspices of

the International Union of Pure and Applied Chemistry and
the Royal Netherlands Chemical Society

Amsterdam, The Netherlands, June 30 - July 4, 1996

Organic Synthesis

The conference program will include:

- Plenary Lectures
- Section Lectures
- Oral Communications
- Poster Presentations

The following topics will be highlighted:

- New Synthetic Methods
- Stereoselective Synthesis
- Metal-mediated Synthesis
- Target-oriented Synthesis

Plenary Lectures

A.G.M. Barrett
C.A.A. van Boeckel
F.N. Diederich
M. Isobe
A.S. Kende
G. Mehta
K.C. Nicolaou
W.C. Still
C-H. Wong

Lectures in the Mini Symposium on Synthesis Directed towards Complex Medicinal Agents

J.P. Kutney
A. De Mesmaeker
M. Neya
J. Nuss
I. Shinkai
P. Sinaÿ

Section Lectures

Atta-Ur-Rahman
C.J. Easton
M. Hirama
A.M. Lobo
J.P. Michael
B-J. Uang
J. Becher
A.G. Fallis
A.B. Holmes
X. Lu
S. Murai
O. Varela
I.P. Beletskaya
T. Fukuyama
A.H. Hoveyda
M. Makosza
T. Nakai
B. Waegell
S.E. Byström
C. Gennari
J.P. Kamerling
I.E. Markó
A.V. Rama Rao
R.J. Whitby
L. Castedo
G. Helmchen
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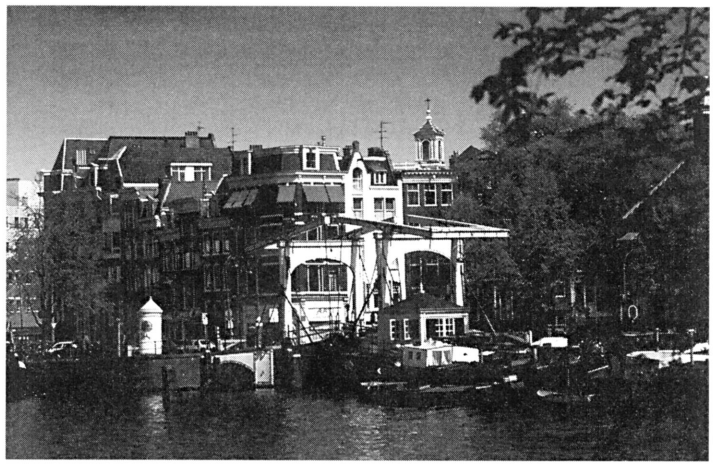
S.F. Martin
H. Schick
P. Wipf
D.L. Comins
P. Herczegh
E.P. Kündig
J. de Mendoza
Y. Thebtaranonth
S.Z. Zard

Thieme-IUPAC Prize 1996 in Synthetic Organic Chemistry

The Thieme-IUPAC Prize is awarded every two years to a scientist under 40 years of age, whose research has had a major impact on the field of synthetic organic chemistry. The third Thieme-IUPAC Prize will be presented at an Award Talk on 2 July 1996 during the ICOS-11 in Amsterdam.



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