

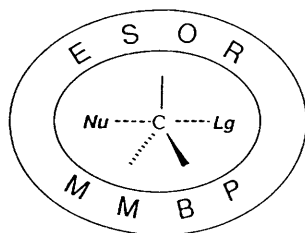
The Royal Society of Chemistry

Perkin Division

Organic Reactivity: Physical and Biological Aspects

*4th European Symposium on Organic Reactivity
2nd Meeting on Molecular Mechanisms in Bioorganic Processes*

**University of Newcastle upon Tyne
11–16 July 1993**



Plenary lecturers:

Sir John Cornforth *Sussex*
R Breslow *USA*
F Cacace *Italy*
A G Davies *UK*
K U Ingold *Canada*
W P Jencks *USA*
H Kessler *Germany*

J P Klinman *USA*
R G Matthews *USA*
R A McClelland *Canada*
Y Murakami *Japan*
L Radom *Australia*
T J Simpson *UK*
M H Zenk *Germany*

Supporting lecturers include:

T L Amyes *USA*
D Arad *Israel*
K Bowden *UK*
D R Boyd *UK*
W Buckel *Germany*
J Fastrez *Belgium*
J Feeney *UK*
F P Guengerich *USA*
P M Jordan *UK*

J Knappe *Germany*
B Krautler *Austria*
I Lee *Korea*
M E Pena *Spain*
J F Stoddart *UK*
F Terrier *France*
A Thibblin *Sweden*
G A Tomaselli *Italy*
U Tonellato *Italy*

*Further information about the meeting, and details
about exhibition space, is available from*

Dr John F Gibson, The Royal Society of Chemistry, Burlington House, London W1V 0BN.

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33rd NATIONAL ORGANIC CHEMISTRY SYMPOSIUM

June 13–17, 1993

Division of Organic Chemistry, American Chemical Society
Amos B. Smith, III, Symposium Executive Officer

The 33rd National Organic Chemistry Symposium of the American Chemical Society will be held June 13–17, 1993 at the Montana State University, Bozeman, Montana. The purpose of the Symposium is to demonstrate the vitality and diversity of the field of organic chemistry through presentations of outstanding research at the forefront of the discipline. The program features the Roger Adams Award Address by E. J. Corey and lectures by ten other speakers. Also there will be two sessions for contributed posters. A book of Abstracts of the talks and the posters will be given to all registrants at the meeting. (This Abstract book may be obtained afterwards by sending \$15.00 plus a self-addressed 10" × 13" envelope to William R. Roush, Secretary–Treasurer, ACS Division of Organic Chemistry, Department of Chemistry, Indiana University, Bloomington, IN 47405.)

Meals and air-conditioned dormitory rooms will be available on the campus at a reasonable cost. On Wednesday evening, there will be an outdoor Bar-B-Que followed by the College National Rodeo Championships. Special tours and various cultural, athletic and outdoor activities will be available during the afternoons.

Pre-registration is required. Prior to May 15, the registration fees are: \$145 for members of the ACS Organic Division, \$155 for other ACS members, \$170 for non-members of the ACS, \$50 for postdoctoral fellows, \$25 for students, and \$25 for guests accompanying a registrant. After May 15, each of the preceding registration fees will be increased by \$20. The one-day registration fee is \$60.

To obtain a detailed brochure, registration forms, poster abstract forms, and other general information, please contact: Organic Chemistry Symposium, Conference Services, Strand Union Room 280F, Montana State University, Bozeman, MT 59717-0402; (406) 994-3333; FAX (406) 994-5488.

Sunday, June 13

8:30 pm Opening Mixer and Poster Session A

Monday, June 14

8:30 am Opening Remarks
9:00 am **Larry E. Overman**, *New Stereocontrolled Methods for Ring Construction*
10:45 am **James D. White**, *Progress in the Synthesis of Macrolide Antibiotics: A Route to Rutamycin*
7:30 pm **Andrew G. Myers**, *Mechanistic and Synthetic Studies of the Eneidyne Antibiotics*
8:45 pm **Yoshito Kishi**, *Natural Product Chemistry: Palytoxin*
10:00 pm Mixer and Poster Session A *continued*

Tuesday, June 15

9:00 am **Louis S. Hegedus**, *Synthesis of Amino Acids and Peptides Using Photolytic Reactions of Chromium Carbene Complexes*
10:45 am **Cynthia J. Burrows**, *Oxidation of Hydrocarbons and DNA using Nickel Catalysts*
7:30 pm **Elias J. Corey**, *Roger Adams Award Address: Studies on Enantioselective Synthesis*
9:00 pm Mixer and Poster Session B

Wednesday, June 16

8:30 am **Donald A. Tomalia**, *Starburst™/Cascade Dendrimers: Fundamental Building Blocks for a New Nanoscopic Chemistry Set*
10:30 am **Fred Wudl**, *Synthesis and Determination of Exotic Properties of the Fullerenes: Periconjugation and Quasi Shift Reagent Effects*
11:45 am **Jean-Marie Lehn**, *From Molecular Recognition towards Self Organization*
5:30 pm Western Bar-B-Que
8:00 pm College National Rodeo Finals
10:00 pm Mixer and Poster Session B *continued*

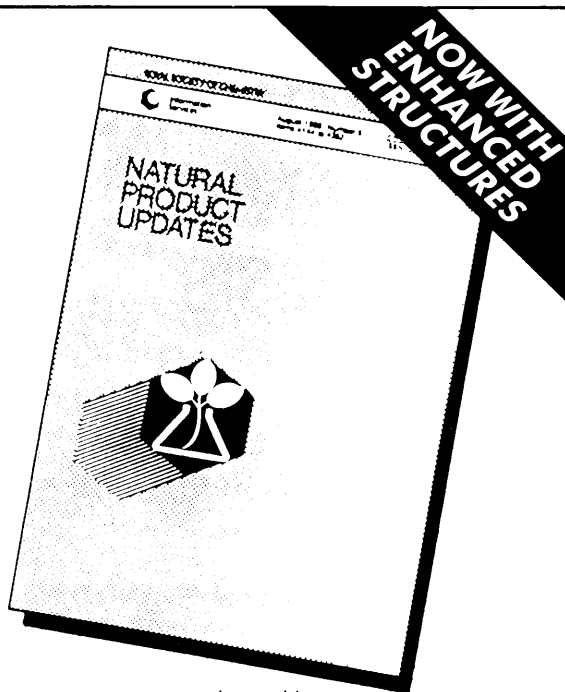
Thursday, June 17

9:00 am **Christopher T. Walsh**, *Molecular Basis of Resistance to the Vancomycin Group of Antibiotics*
10:45 am **Stuart L. Schreiber**, *Molecular Investigations of Signal Transduction*
12:00 pm Closing Remarks

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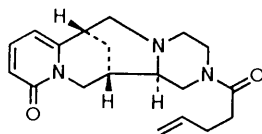


13136 Sophazrine, a novel quinolizidine alkaloid from *Sophora griffithii*
Atta-Ur-Rahman*, A. Pervin, M. I. Choudhary, N. Hasan, B. Sener

J. Nat. Prod., 1991, **54**(4), 929-935

X-ray crystallography of a related alkaloid anagyrine, from *Thermopsis turcica* (C₁₅H₂₀N₂O, monoclinic) confirms the structure.

Sophazrine
C₁₉H₂₅N₃O₂
amorphous solid
[α]_D²⁰ +213°



Sophazrine
C₁₉H₂₅N₃O₂
amorphous solid
[α]_D²⁰ +213°

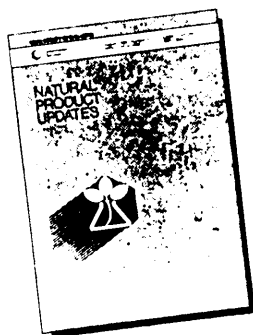
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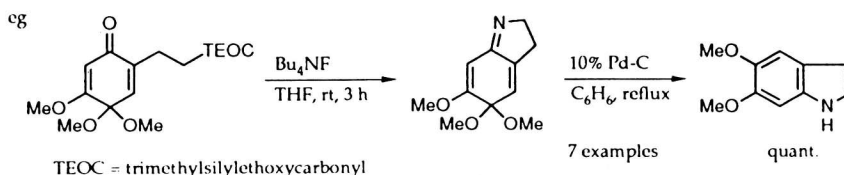
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22320 A general formation of quinone imines and quinone imine acetals: an efficient synthesis of 5-oxygenated indoles

Y. Kita*, H. Tohma, M. Inagaki, K. Hatanaka

Heterocycles, 1992, **33**(2), 503-506



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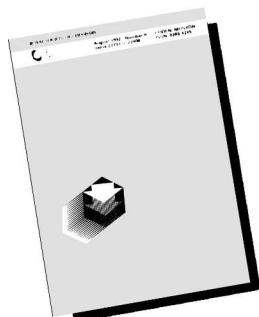
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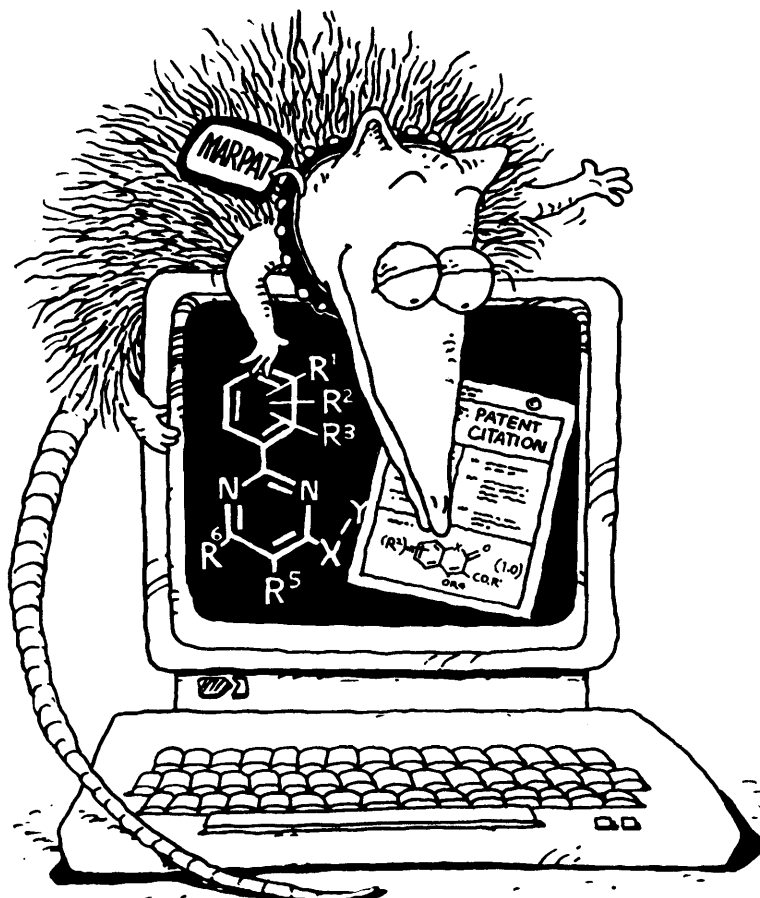


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- 87 Reactions of Acylthiosemicarbazides with β -Diketones: Novel Synthesis of *N*-(1-Pyridyl)thiourea Derivatives Galal E. H. Elgemeie and Badria A. W. Hussain (M 0601)
- 88 AM1 Studies of Imine-forming Eliminations Bong Rae Cho and Keehyung Nahm (M 0635)
- 89 Fructosylation of Ergot Alkaloids by Submerged Cultures of *Claviceps purpurea* inhibited in Alkaloid Production Vladimir Kfen, Aleš Svatoš, Tomáš Vaisar, Vladimir Havlíček, Petr Sedmera, Sylva Pažoutová and David Šaman (M 0652)
- 90 Role of the Quality of the Solvent in the Reaction of Bis(morpholiniothiocarbonyl) Disulfide with Diiodine. Crystal and Molecular Structure of the Obtained Morpholinium Pentaiodide Francesco Bigoli, Paola Deplano, M. Laura Mercuri, M. Angela Pellinghelli and Emanuele F. Trogu (M 0672)
- 91 One-pot Synthesis of 5,11-Dihydro-5,11[1',2']-benzenocyclohepta[*b*]naphthalenylium Tetrafluoroborate(1⁻) as a Precursor for a Study on the Isomerisation of Dihydro-5,11[1',2']-benzeno-5*H*-cyclohepta[*b*]naphthalenes Ralf Sieckmann (M 0683)
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