


Advanced Aromatic Heterocyclic Chemistry

A 3 Day Course



22 - 24 September 2010
The Radisson Blu Hotel
Nice, France

SCIENTIFIC UPDATE
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General Information

The seminar begins with registration from 8:30am on Wednesday 22 September and finishes at approximately 4.00pm on Friday 24 September.

The organisers reserve the right to change the published programme of events and course content as circumstances dictate.

Fee

£1225.00 including lunch & refreshments, the course dinner on 22 September and comprehensive course manual.

Introduction

This course is intended to provide a thorough update of recent developments in the synthesis and subsequent transformations of heterocyclic aromatic compounds. The lectures briefly reprise 'classical' methods used for the synthesis of aromatic heterocycles containing nitrogen, oxygen and sulphur and build upon these concepts by focusing upon advances made in the area during the last decade. Improved classical processes and any new reactions described are thoroughly delineated in problem classes held in tutorial format.

Programme

Introduction

Comparison of strategies for heteroaromatic synthesis:
'classical' methods
transition-metal catalysed processes
modern methods

Recent Developments in the Synthesis and Reactions of:

Monocyclic, five membered monoheteroaromatic rings:
pyrroles, furans, thiophenes

Bicyclic, five-membered monoheteroaromatic rings:
indoles, isoindoles,
benzofurans, isobenzofurans,
benzothiophenes and isobenzothiophenes

Mono- and bicyclic, five-membered diheteroraomatic rings:
imidazoles, pyrazoles,
benzimidazoles, benzpyrazoles,
oxazoles, isoxazoles,
benzoxazoles, benzisoxazoles
thiazoles and isothiazoles,
benzothiazoles

Monocyclic, five membered triheteroaromatic rings:
triazoles, oxadiazoles, thiadiazoles

Monocyclic, five-membered tetraheteroaromatic rings:
tetrazoles

Mono- and bicyclic, six-membered monoheteroaromatic rings:
pyridines,
quinolines and isoquinolines

Mono- and bicyclic, six-membered diheteroaromatic rings:
pyrimidines, pyrazines, pyridazines,
quinoxalines, quinazolines and cinnolines

An important feature of this course is the high proportion of tutorials provided to reinforce the lectures.

Register early for this course, as the number of places will be restricted to 30, in order to ensure fruitful discussions.

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> *Excellent course.*
> GSK

Tutor

Joe Sweeney obtained his first degree from Imperial College, London in 1984, where he was elected an Associate of the Royal College of Science. Joe completed his D.Phil. in 1987, having worked with Prof. J. Baldwin, FRS, at the University of Oxford. He then held the position of Royal Society Fellow at ETH in Zurich between 1987 – 1989 in the laboratories of Prof S.A.Benner. In 1989, Joe took the position of Lecturer in Organic Chemistry at the University of Leicester and then moved to the University of Bristol where he remained for 5 years. In 1996 he became a Reader in Bio-Organic Chemistry at the University of Reading where he resides today as Professor of Synthesis and Chemical Biology. As well as heterocyclic chemistry, Joe's other research interests are organometallic chemistry, total synthesis, asymmetric synthesis, protein-small molecule interactions and cancer chemotherapy; he is current Royal Society Industry Fellow, 2007-9.

Venue

The Radisson Blu Hotel
223 Promenade des Anglais, 06200 Nice, France
Telephone: +33 4 97 177 177 | Fax: +33 4 93 71 21 71
www.radissonblu.com/hotel-nice

The Radisson Blu Hotel enjoys a privileged position on the famous Promenade des Anglais. It is centrally located between the city centre with the romantic old town and the new "Arenas" business centre. Accommodation has been reserved at the special rate of €160 for single occupancy (including breakfast). This is for a city view room. A sea view room will be €210. There will be a supplement of €15 per night for double occupancy. Please use the hotel booking form, which will be sent when you register.

Who Should Attend?

This course has been designed to be of benefit to a wide range of industrial chemists, specifically those already familiar with the principles of aromatic heterocyclic ('heteroaromatic') chemistry or for those who have already attended the "Essential Aromatic Heterocyclic Chemistry" or "Heterocyclic Synthesis in Modern Chemistry" courses.

This course is suitable for scientists at graduate level and above.

Scientific Update Training | Course Registration

Advanced Aromatic Heterocyclic Chemistry

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