

The Challenges and Formulation Strategies for Poorly Soluble Drug Substances

The Baltic Exchange
London UK
11 & 12 October 2007

Many, if not most, new active pharmaceutical ingredients have very low aqueous solubility, and this will have a negative impact on their value as potential medicines. This course is designed to describe the basic theory and to develop from there with a strategy for dealing with poorly soluble compounds. Firstly considering salts and physical form changes (including some discussion of intellectual property and regulatory issues), then progressing to consider amorphous solid dispersion systems (their advantages, potential problems and how to make a success of such formulations), then to reflect on lipid based formulations, solubilisation approaches and self emulsifying systems.

The course is well suited to those new to the formulation of poorly soluble drugs, either with or without extensive formulation experience in other areas, as well as those working in materials characterisation and preformulation.

Who should attend

The course will suit scientists with an interest in pharmaceutical materials science, those with a desire to understand and control material properties. The course is well suited to formulators with the challenge of improving bioavailability of poorly soluble drug substances. Also those with an interest in IP and regulatory issues should attend

Numbers will be limited to give participants the opportunity for thorough discussion of the issues to be covered by the programme and one on one consultation with speakers.

Course Leader:

Professor Graham Buckton

Graham is Professor of Pharmaceutics at the School of Pharmacy, University of London, and Chief Executive Officer of Pharmaterials Ltd, a CRO with skills in (amongst other things) study and stabilisation of the amorphous form. He is the immediate past chair of the Chemistry Pharmacy and Standards sub-committee and was a member of the Committee on Safety of Medicines, he is a British Pharmacopoeia Commissioner and chairs the Excipients Committee. He has received a number of research awards and has published over 150 papers in this field. He is editor of the International Journal of Pharmaceutics and on a number of other editorial boards.

Other lectures will be presented by academic and industrial experts.

Presented by:

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Course Programme

Day 1

9.00	Registration
9.30	Introduction
9.45	Solubility, absorption and bioavailability – an introduction
10.45	Break
11.15	The gastro-intestinal tract in relation to drug absorption
12.15	Introduction to salts and physical form (polymorphism, size etc) to enhance drug delivery.
13.00	Lunch
14.00	Physical form continued – salt selection and survival in the GI tract, methods of analysis, screening approaches
15.00	Tea
15.30	Consideration of changes in physical form and the study of such changes. Underlying IP issues and opportunities
16.30	An introduction to amorphous products for enhanced drug delivery
17.30	Close
19.00	Course dinner

Day 2

9.00	Further discussion of solid dispersion formulations
10.00	Solid lipid based options for drug delivery
11.00	Break
11.30	Solubilisation and cyclodextrin inclusion complexes
12.30	Lunch
13.30	Practical approaches to selection of a formulation route
14.30	Dissolution testing and consideration of food effects etc
15.30	Tea
16.00	In vivo assessment of formulation strategies
17.00	Close of course

Course Calendar Autumn 2007

- Molecules to Markets—London
- Integrated Tablet Formulation Development—Copenhagen
- Tablet Process Development and Validation—Copenhagen
- GMP Auditor Training—London
- How to Audit API Manufacturers—London
- The Challenges and Formulation Strategies for Poorly Soluble Drug Substances—London
- Strategic Marketing—London
- Customer Focused Project Management—London
- Stability Testing of Pharmaceuticals—London

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Venue

The Baltic Exchange, 38 St Mary Axe, London EC3A 8BH

The Baltic Exchange is situated within a five minute walk to Liverpool Street Station in the heart of the City of London with easy access to all the well known sights.

Hotel accommodation is not included in the course fee and should be booked and paid for separately.

A list of nearby hotels is available on request.

Terms and conditions

Delegate fees

Fees for this programme or suite of programmes are shown overleaf. Delegate fees are inclusive of course documentation, refreshments and lunch as well as course dinner on 11 October.

Payment of the registration fee must be paid within 14 days of commencement of the course. Upon receipt of payment, a proof of payment will be sent to you.

Cancellation Policy

Full refunds less a handling fee of £100 will be made for cancellations received in writing within 28 days of the commencement of the course.

Refunds of 50% will be made for cancellations received in writing between 28 and 7 days prior to the commencement of the course.

Regrettably no refunds will be made after 7 days prior to commencement of the course.

Substitutions can be made at any time.

Liability

PharmaTrainingServices reserves the right to change the Programme, speakers, date or venue without notice or cancel The event. If cancellation occurs delegates will be notified as soon as possible and will receive full refund of fees paid.

PharmaTrainingServices will not be responsible for any airfare, accommodation or other travel costs incurred.

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Contact **Judy Callanan** by email or telephone at any time to discuss.

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REGISTRATION FORM

I wish to register for the following course	Please tick
The Challenges and Formulation Strategies for Poorly Soluble Drug Substances, 11 & 12 October 2007: 2 day course £1160 + Vat £ 203 Total £1363.00	

Total payable £

Title (Mr/Mrs/Ms/Dr/Prof): _____ First name _____

Surname: _____

Position: _____

Company: _____

Address: _____

Post Code: _____ Country: _____

Email address: _____

Tel: _____ Fax: _____

Signature: _____

Method of Payment

Cheque (Please make cheque payable to "JA Conference Management")

Bank transfer **Quoting Reference No. 718**
Bank Account Name: JA Conference Management
 Barclays Bank, Muswell Hill & Crouch End Branch
Sort Code: 205851 **Account No:** 10245038
 Vat Reg: GB 876952267

Credit/Debit Card

Card Number: _____

Expiry Date: ____/____/____

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Address: _____

Signature: _____

**Please send completed registration forms and payment to:
 Judy Callanan at:**

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