Oral and Parenteral Delivery of Poorly Soluble Compounds – Still a Mystery?

11 - 12 March 2020
Munich, Germany

Course no. 6807

Research and Development

Target group

Scientists from academia and industry, formulation experts, managers in pharmaceutical research and development, production, quality assurance, project management, product management and life cycle management.

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Research and Development

A seminar organised by the APV focus group Drug Delivery

Objectives and content

Over the last two decades the number of oral drug candidates in discovery and development, which are poorly water soluble, and thus show poor bioavailability, has tremendously increased. In parallel, expertise was developed on how to overcome this challenge and many different technologies have been discovered. This makes it quite difficult for a formulation scientist nowadays to get or keep the overview including all pros and cons of the respective approaches ready to hand in order to select the appropriate one for a specific molecule. This two day conference will provide you with an insight into human physiology and its implications to poorly soluble compounds, introduce you to the most important technologies used, but also mention emerging approaches and of course present you a summary of commercial products and the formulation approaches applied.

In recent years some shift from oral to parenteral administered compounds is taking place. This is not only due to the increasing number of biological compounds (New Biological Entities), but also more and more poorly soluble small molecules (New Chemical Entities) arrive at the formulator's lab bench. Half a day is scheduled to introduce you to the options of formulation development for parenteral drug candidates, which are poorly water soluble. An excursion into the world of NBE development and the associated solubility issues will complete the picture.

At the end of two intensive days of immersing in formulation development of poorly soluble compounds, you will return home with a profound knowledge on how to proceed with this type of compounds and with the certainty, that it is still a challenging but manageable job and not a mystery anymore.

Moderators

Georg Boeck

Boehringer Ingelheim Pharma GmbH & Co KG, Biberach an der Riss, Germany

Susanne Page

F. Hoffmann-La Roche AG, Basel, Switzerland

Simone Wengner

Catalent Germany Eberbach GmbH, Eberbach, Germany

Programme

Wednesday, 11 March 2020, 08:45 - 17:00 Uhr

Opening remarks
Georg Boeck, Boehringer Ingelheim Pharma GmbH & Co KG, Biberach an der Riss, Germany

Formulation approaches for poorly and pH dependent water soluble drug substances
Dieter Becker, Vivo Drug Delivery GmbH, Freiburg, Germany

Mesoporous silica based ASDs in comparison to polymer based systems
Guy van den Mooter, KU Leuven, Leuven, Belgium

Co-amorphous drug delivery systems
Thomas Rades, University of Copenhagen, Copenhagen, Denmark

Long-term stability of amorphous solid dispersions
Gabriele Sadowski, Technische Universität Dortmund, Dortmund, Germany

Key considerations in extrusion development for successful marketing applications
Benedikt Steitz, Oliver Heinzerling, AbbVie Deutschland GmbH & Co. KG, Ludwigshafen, Germany

GI physiology: insights from imaging studies and implications for formulation development
Werner Weitschies, University of Greifswald, Greifswald, Germany

Value of biorelevant media for measuring solubility and developing biopredictive dissolution methods
Jennifer Dressman, University of Frankfurt, Frankfurt, Germany

In vitro models for evaluating the impact of gastrointestinal transfer on intraluminal performance of orally administered poorly soluble drugs
Christos Reppas, University of Athens, Athens, Greece

Social networking event

Thursday, 12 March 2020, 08:45 - 16:15 Uhr

Opening remarks
Susanne Page, F. Hoffmann-La Roche AG, Basel, Switzerland

Formulating poorly soluble compounds in lipid systems and regulatory aspects
Sivacharan Kollipara, Novartis Healthcare Pvt. Ltd., Hyderabad, India

Poorly soluble compound development - The current and future state
Kurt Sedo, PharmaCircle, Encinitas, United States

Review of solubilizing formulations for parenteral administration of NCEs
Peter van Hoogevest, Lipoid GmbH, Ludwigshafen, Germany

Influence of intravenous lipid based formulations on the pharmacokinetics of poorly water soluble drug substances
Alfred Fahr, University of Jena, Jena, Germany

Development of parenteral depot formulations
Rene Holm, Janssen Pharmaceutica, Beerse, Belgium

Cyclodextrins in parenteral formulations
Thorsteinn Loftsson, University of Iceland, Reykjavik, Iceland

Challenges with „poor solubility" in the formulation development of NBEs
Karlonie Bechthold-Peters, Novartis Pharma AG, Basel, Switzerland

Closing remarks
Simone Wengner Catalent Germany Eberbach GmbH, Eberbach, Germany

Programm subjected to be changed

Registration by fax +49 6131 97 69 69 or by email apv@apv-mainz.de

Location

Maritim Hotel München
Goethestraße 7
80336 München
Germany

Date

Course no.: 6807
from 11 March 2020 08:45 h
to 12 March 2020 16:15 h

Registration fee

Industry	1490	EUR
Authority/University	745	EUR
Students*	178	EUR

(free of VAT according to § 4,22 UStG)

Coffee breaks, luncheon, dinner and electronic proceedings included.

* Limited places for full time students available; written evidence must be submitted.

Registration

APV-Geschäftsstelle
Kurfürstenstraße 59
55118 Mainz/Germany
Phone: 0049 6131 97 69 0
Fax: 0049 6131 97 69 69
E-mail: apv@apv-mainz.de
Web: www.apv-mainz.de

You will receive a confirmation of your registration with the invoice.

Hotelreservation

Maritim Hotel München
Goethestraße 7
80336 München
Germany
phone 0049 89 55235 0
mail info.mun@maritim.de

Participants should make their own hotel reservation referring to the APV seminar. Deadline for special conference rate: 14 January 2020. Special rate: Single room incl. breakfast from 134,00 € per night.

Mainz, November 2019

Oral and Parenteral Delivery of Poorly Soluble Compounds, 11 - 12 March 2020, Munich, Germany, Course no. 6807

Registration
As soon as you have found a seminar of your interest, it is very easy to register for it via fax, e-mail or online. We will process your registration promptly and certainly are available for any questions that may arise.

Registration confirmation
After your registration was successfully processed, you will receive a confirmation.

Before the event
A few days before the event starts, you will receive important information about the seminar, such as time, date, addresses etc.

After the event
You will receive a certificate confirming your participation. Furthermore, we would like to ask you to fill-in our evaluation sheet to make sure we get better every time.

Follow-up
After the event, we are open to receive any suggestions and critique that might arise during the seminar and will certainly help you with further questions you may have.

Declaration of consent in respect of data protection

☐ By registering for this seminar, I agree that the APV uses my data for the purpose of processing the order and provides me with all relevant information.

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