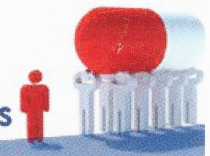
OXFORD GLOBAL

3rd Annual
Formulation & Drug Delivery Congress
2nd Annual
Inhalation & Respiratory Drug Delivery Congress



8 - 9 May 2017, London, UK

Congress Workbook

8th – 9th May 2017

Radisson Blu Portman Hotel, London, UK

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Name A. Alper Öztürk

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5. Entrapment Efficiency And In Vitro Dissolution Testing Of Different Polymeric Nanoparticles For Controlled Analgesic Delivery

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Dexketoprofen trometamol (DT) is the water soluble tromethamine salt formulation of dexketoprofen, a nonsteroidal anti-inflammatory drug (NSAID). Several clinical trials have been conducted with dexketoprofen trometamol using different models of acute and chronic pain. The S-enantiomer responsible for the pharmacological activity of ketoprofen. DT has rapid absorption and onset of action in pain relief. Polymer nanoparticles have attracted the interest of many research groups and have been utilized in an increasing number of fields during the last decades. In this study Kollidon® SR, Eudragit RS® 100 and Eudragit RL® 100 used as polymeric material. DT loaded polymeric nanoparticles prepared by spray-drying method for controlled analgesic delivery of oral use was aimed in this study. The entrapment efficiency was calculated using a validated High performance liquid chromatography (HPLC) method. Release characteristics of the particles were evaluated with dialysis method at 37°C±1°C in phosphate buffer solution (pH 7.4) during 48 hours.

6. In Vitro Tests Of Solid Lipid Nanoparticles Containing Dexketoprofen Trometamol

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Dexketoprofen trometamol is a new, quick acting analgesic for the treatment of painful musculoskeletal conditions such as osteo-arthritis and low back pain. It is also used as a treatment for post-operative pain, toothache and dysmenorrhoea. It is the active optical isomer of ketoprofen, a propionic acid non-steroidal anti-inflammatory drug (NSAID). Solid lipid nanoparticles (SLNs) are a new pharmaceutical delivery system or pharmaceutical formulation. In this study Compritol® 888 ATO and Dynasan® 114 used as solid lipid. DT loaded SLNs were prepared by hot emulsification technique followed by probe ultrasonication and formulations were cooled down to the room temperature for controlled analgesic delivery. A validated High performance liquid chromatography (HPLC) method was used for determination of incorporated DT. Release characteristics of the particles were analyzed with dialysis method in phosphate buffer solution (pH 7.4) for 48 hours.

Attendee List

3rd Annual Formulation & Drug Delivery Congress and 2nd Annual Inhalation & Respiratory Drug Delivery Congress

Organised by:

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Name	Job Title	Company Name
Michelle Calhoun	Director Sales & Marketing	AbbVie
Keith Kentala	Vice President Commercial Operations	AbbVie
Jeff Tremain	Business Development Sales Manager	AbbVie
Bernd Liepold	Group Leader, Senior Principal Research Scientist	AbbVie
Michael Siedler	Head of NBE Formulation Development	AbbVie Deutschland GmbH & Co KG
Holger Neecke	Director, Business Development	Adare Pharmaceuticals
Luigi Boltri	R&D Director, Innovation & Technology Liaison	Adare Pharmaceuticals
Kim Hejnaes	CMC Coordinator	Adenium Biotech
Zrinoslav Ranteš	Senior Associate – Specialist In The Department For Quality	Agency for Medicinal Products and Medical Devices - HALMED
Owain McKenzie	European Dissolution Business Team Manager	Agilent Technologies
Chris Benton	Account Manager	Agilent Technologies
Poula Maltha Sørensen	Marketing Associate	Albumedix
Nicholas Martin	Research Scientist	Albumedix
Neil Dodsworth	Science Manager	Albumedix
Jonas Skjødt Møller	Global Head of Marketing & Corporate Strategy	Albumedix
Muthusamy Jayaraman	Associate Director	Alnylam Pharmaceuticals
Jonathan Phillips	Principal Scientist	Amgen
Evrim Yenilmez	Assistant Professor	Anadolu University
Behiye Senel	Research Assistant	Anadolu University
Gülay Büyükköroğlu	Assistant Professor	Anadolu University
Ahmet Alper Öztürk	Research Assistant	Anadolu University
Umay Merve Güven	Research Assistant	Anadolu University
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