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(54) Title of the invention : DEEP EUTECTIC SOLVENT-BASED ANTI-FUNGAL MUCO-ADHESIVE GEL FOR TRANSDERMAL DRUG DELIVERY.

<p>(51) International classification :A61K0009000000, A61K0009700000, A61P0031100000, A61K0047100000, A61P0025080000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr. Pankaj V. Dangre Address of Applicant :HOD, Department of Pharmaceutics, Datta Meghe College of Pharmacy, Datta Meghe Institute of Higher Education and Research, Deemed to Be University, Wardha -----</p> <p>2)Ms. Amruta V. Shelar Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Pankaj V. Dangre Address of Applicant :HOD, Department of Pharmaceutics, Datta Meghe College of Pharmacy, Datta Meghe Institute of Higher Education and Research, Deemed to Be University, Wardha -----</p> <p>2)Ms. Amruta V. Shelar Address of Applicant :Chemical & Biotechnology Board, Department of Technology, Savitribai Phule Pune University, Pune Pune -----</p> <p>3)Mr. Kunal S. Kotkar Address of Applicant :Department of Pharmaceutical Quality Assurance & Industrial Pharmacy, R C Patel Institute of Pharmaceutical Education and Research, Karwand Naka, Shirpur-425405 -----</p> <p>4)Dr. Shailesh S. Chalikwar Address of Applicant :Professor & HOD Department of Pharmaceutical Quality Assurance & Industrial Pharmacy, R C Patel Institute of Pharmaceutical Education and Research, Karwand Naka, Shirpur-425405 Dhule -----</p> <p>5)Dr. Maheshkumar R. Borkar Address of Applicant :Asst. Professor, Pharmaceutical Chemistry, Dr. Bhanuben Nanavati College of Pharmacy, Gate No.1, 1st Floor, Mithibai College Campus, V.M.Road, Vile Parle (West), Mumbai-400056, Maharashtra, India. Mumbai -----</p> <p>6)Mr. Satish S Meshram Address of Applicant :Department of Pharmacognosy, University Department of Pharmaceutical Science, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur-440033, Nagpur -----</p>
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(57) Abstract :

ABSTRACT Deep eutectic solvent-based Anti-fungal muco-adhesive gel for transdermal drug delivery. The present invention aims to create a deep eutectic solvent for topical drug formulation to increase solubility and penetration of active pharmaceutical drugs. The formulation includes active pharmaceutical ingredients, hydrogen bond acceptors, hydrogen bond donors, polymers, humectants, surfactants, preservatives, and pH adjusting agents. The active pharmaceutical ingredient is an anti-fungal drug for the treatment of fungal infections.

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