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New polymorph of Estradiol and its stability studies

The study of polymorphism in drugs is an important part of drug development in present scenario. Infact, a detailed drug polymorph study helps to resolve problems such as drug solubility, drug formulation techniques in drug manufacturing processes. The area of drug polymorphism has received varied academic as well as industrial attention. The regulatory approvals for filing abbreviated new drug application (ANDA) and new drug application (NDA) of a particular dosage form are so strict that pharma organizations are deliberately studying polymorphs with their stability and bioavailability. The given study identifies a new polymorph of Estradiol one of the sleep awakening drugs in the market along with its characterization with pXRD, DSC and TGA and its stability data.

Speaker Biography

Runjhun Tandon is in the chemistry department of Lovely Professional University as an Associate Professor. She heads the Intellectual Property Rights Cell and take cares of the entire IPR of the university. She has obtained her graduation (B.Sc) and post graduation (M.Sc) degrees from Lucknow University and her Ph.D from Rajasthan University, India. Her research work includes synthesis of heterocyclic compounds and their polymorphic studies. Her basic inclination is towards polymorphism of active pharmaceutical ingredients for which she adds many patents both Indian as well as international to her credit. She has published many papers on metal complexation , polymorphism, and anti cancer compounds

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