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Formulation and evaluation of telmisartan fast dissolving tablets using liqui-solid technology

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Telmisartan is an Angiotensin receptor blocker which comes under BCS class-2. Liquisolid technique is a novel approach for FDT. Formulation of drug includes API (Telmisartan) and excipients like binders, glidants, superdisintegrants, lubricants and non-volatile solvents. The main theme of formulation is to disintegrate the tablet within seconds. Evaluation is carried out by pre compression parameters and post compression parameters, solubility studies, bioavailability and bioequivalence studies, drug excipient compatibility studies, disintegration and dissolution parameters, wetting time, water absorption ratio. Analysis of drug using HPLC, IR and stability of drug is performed as per ICH guidelines. Comparison of formulation with conventional dosage forms which results in better drug release in pH 7.4 phosphate buffer.

Biography

Sindhu Reddy Musipatla has completed Mpharmacy in Pharmaceutics and she has 6 years of experience in pharmaceutical field. She is certified from pharmacy council of India and undergone research on FDT for a year and found best results in both PK/PD parameters and analysis of the drug compared with conventional formulation. Her research has been certified from Syncorpclinicare PVT Technologies and approved by PCI.

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