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Co-spray drying of metformin hydrochloride with polymers to improve compaction behavior

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Key words: Metformin HCI; spray drying; direct compression; compactability; tensile strength

Abstract

The ability of different hydrophilic polymers to improve compression behavior of metformin hydrochloride after co-spray drying from aqueous solutions was investigated. <u>Spray-dried products were evaluated by laser diffraction, light microscopy with image analysis, SEM, PXRD, DSC, instrumented press and diametrical loading of compacts.</u> The obtained powders consisted of agglomerated

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