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(57) Abstract :

ABSTRACT A CRYSTALLO CO- AGGLOMERATE OF PRAZIQUANTEL AND PROCESS OF PREPARING THE SAME The aim of present work is to improve physicochemical and physicomechanical properties of Praziquantel (PZQ), anthelmintic drug and a poorly water soluble and poor bioavailable by Crystallo co-agglomeration (CCA) in the presence of different excipients. Water and Dichloromethane (DCM) are used as the crystallization medium. CCA is carried out in the presence of various excipients like PVP K30, HPMC E50 L and Talc. The prepared co-agglomerates are subjected to apply Central-composite design and by this approach optimized concentration of polymers and processing parameters by non-destructive evaluation parameters. Crystallo-co-agglomeration technique can be utilized as an excellent alternative technique to conventional granulation process in order to prepare particles for direct compression.

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