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Formulation of levofloxacin as orodispersible tablets using readymade excipients blend in comparison to classic formulation strategies

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Readymade excipients blends are gaining wide attention in pharmaceutical industry these days especially for tablet production. An orodispersible tablet is intended to be placed in the mouth where it disperses rapidly before swallowing. The aim of this study is to compare the readymade excipient blend designed for orodispersible tablets with the conventional method to manufacture them using levofloxacin as the active pharmaceutical ingredients. Different formulas were prepared to compare the powder characteristics and then were compressed using direct compression method. The compressed tablets were then evaluated for their physical characteristics and drug release properties. Results showed that using the readymade blend was advantageous regarding powder and tablets physical properties as well as drug release and dissolution.

Biography

Israa H Al-Ani has completed her PhD in 2007 from University of Baghdad in Pharmaceutical Sciences. Now she is working as an Assistant Professor of Pharmaceutics in Faculty of Pharmacy and Medical Science, Al-Ahliyya Amman University in Jordan. She has published papers in reputed journals both in pharmaceutical technology and drug delivery systems, and has been serving as a Reviewer for reputed Journals like "*Pharmaceutical Research*" and "*African Journal of Pharmacy and Pharmaceutical Sciences*". She has supervised Master degree students. She is a member of "The three-circles of Alema Project" sponsored by the "Jordan Society for Scientific Research (JSSR) and USAID.

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