A Research Paper

Oral Reconstitutable Herbal Dry Syrup: Formulation, Development And Assessment

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ABSTRACT

The ease of administration, patient comfort, and formulation stability are all advantages of the oral dose form. Tablets and capsules are the most popular oral dosage forms; nevertheless, one notable disadvantage of these solid dosage form is the trouble in ingesting them, especially when a supplement is designated for children or the elderly. The disease TB(Mycobacteriae) had antibiotics and one of those is levofloxacin that is used in the cure this Mycobacteria. Levofloxacin is a broad-spectrum antibiotic that develop Multi Drug Resistance (MDR) in our body. So, in order to modify this treatment of MDR, herbal drugs are implemented in the drug for better working of the antibiotic. Herbal medications, whether extract or decoction, will not induce drug resistance when administered against any infection. Hence an effective ad appropriate drug therapy as an anti – tuberculosis drug needs to be discovered which will solve the problem of cross resistance and drug resistance The goal of this research was to build and create an oral Reconstitutable Herbal Dry Syrup that can be readily dispersed in a potable water medium before usage and is chemically and microbiologically stable throughout consumption. This herbal drug is anti-infective, anti-hepatotoxic and anti-inflammatory, cholagogue etc. There was no discernible difference in particle size, fluidity, pH, or drug content after 15 days of testing. After employing Reconstitutable water with levofloxacin herbal dry syrup, the stability was effectively evaluated.

Keywords – dry syrup, levofloxacin, antibacterial activity, oral Reconstitutable, herbal extract blend, stability.