



FORMULATION AND EVALUATION OF BILAYER TABLETS OF ASPIRIN AND DIPYRIDAMOLE FOR THE MANAGEMENT OF STROKE

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ABSTRACT:

Formulation and evaluation of Bilayer tablets was particularly designed to develop generic bilayer tablets of Aspirin and Dipyridamole for the management of stroke. There is no generic formulation available in the market in the form of tablets; this is due to complexity of the product which precludes others from developing this product. Hence, there is a need to develop a cost effective generic alternative to these drugs without using costly patented technologies of the innovator & an attempt shall be done to develop a non-infringing formulation for any of the selected drug product. Aspirin Immediate release batch (150 mg) was formulated by using 3 different Superdisintegrants like Sodium Starch Glycolate, Crospovidone and Croscarmellose Sodium. Dipyridamole Sustained release batch (400 mg) was formulated by using 2 polymers like Polyethylene Oxide (PEO) and Hydroxy Propyl Methyl Cellulose (HPMC).

KEY WORDS: Sodium Starch Glycolate, Crospovidone, Croscarmellose, PEO, HPMC.

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