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A REVIEW ON ANALYSIS AND DEGRADATION STUDIES OF KETACONAZOLE BY HPLC METHODS

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ABSTRACT:

The present review article deals with the method development and degradation studies for ketoconazole by HPLC method. A wide variety of columns, mobile phase combinations, degassers used for the study. Different flow rates were adjusted for mobile phase combinations. In some methods forced degradation studies was also carried out and the methods developed were validated according to the ICH guidelines. After studying different research articles it came to light that HPLC method development of ketoconazole has been done in different dosage forms of ketoconazole and still there is huge potential for new methods to be developed with different mobile phase and column combinations. These new method data are required by regulatory agencies. Method development of ketoconazole by HPLC has huge potential for research as huge work has yet to be done in this area, new solvent compositions and adjustment of new column characteristics refine the research.

Keywords - ketoconazole, Antifungal, Linearity