

Nagpal N, Arora M, Rahar S, Rageeb M, Swami G. Formulation and evaluation of sustained release floating microballoons of ketorolac trometamol. *Bull. Pharm. Res.* 2014;4(2):86-93.

Abstract: The present study was aimed at the design of sustained release floating microballoons of ketorolac trometamol (ketorolac tromethamine) using two polymers ethyl cellulose and HPMC K4M with different permeability characteristics. Ketorolac microballoons were prepared by solvent diffusion method using different concentrations of both polymers and studied for *in vitro* and *in vivo* parameters. Prepared microballoons were spherical in shape, stable, float on simulated gastric fluid for more than 8 h and was significantly less ulcerogenic ($p < 0.001$) than plain ketorolac trometamol.

Key words: Ketorolac trometamol, Microballoons, Sustained release, HPMC K4M.

References: [22](#)

Total Pages: 08

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