



Fast Dispersible Tablet of Paroxetine Hydrochloride: Taste Masking and Administration in Depressed Patients

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SUMMARY. The bitter taste of paroxetine hydrochloride was masked by complexation with beta cyclodextrin. Complexation of paroxetine hydrochloride with beta cyclodextrin was characterized by differential scanning calorimetry and X-ray powder diffraction. The taste masked complex was directly compressed into tablets using povidone CI as a super-disintegrant along with other excipients which aid in further improvement of taste. The prepared tablets containing the taste masked complex were evaluated for taste by both *in vitro* release profile and through panel testing. The taste masked tablets were administered to actual patients by mixing with juices to study whether the patients identify the presence of medicine in the juices. The results of this study were satisfactory.

KEY WORDS: β -cyclodextrin, Depression, Paroxetine, Tablets, Taste masking.

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