Dissolution kinetics evaluation of controlled-release tablets containing propranolol hydrochloride

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In the present research, controlled-release propranolol hydrochloride tablets were prepared for twice-daily administration, allowing more uniform plasmatic levels of the drug. Pharmaceutical formulations were prepared with hydrophobic Eudragit® RSPO. The physical properties of the tablets were determined. Dissolution tests were performed in capsules containing the raw material using the following dissolution media: (A) distilled water, (B) simulated gastric juice without enzymes, and (C) simulated enteric juice without enzymes. A dissolution test was also performed for simulated samples (tablets) using distilled water as the dissolution medium.