

Appendix

Source of materials

Simvastatin (Ranbaxy Laboratories, Dewas, India); Pluronic® F-68 was purchased from MP Biomedicals, LLC., France; polyvinyl pyrrolidone K-30 (PVP) from Fluka AG, Buchs, Switzerland; Inutec® SP1 (Orafti-Non-Food, Tienen, Belgium); dibutylphthalate (DBP) and triethyl citrate (TEC), Alfa Aesar, Karlsruhe, Germany; Eudragit® S100 (Röhm Pharma GmbH, Germany); Polyethylene glycol (PEG 4000) from Morgan Chemical Industrial Company, Cairo, Egypt; Mannitol (EL Naser Pharmaceutical Chemicals Company, Cairo, Egypt); HPLC grade Acetonitrile (Sigma-Aldrich Company, Germany); magnesium stearate: Prolabo, France; all other chemicals and solvents were of analytical grade.