

Procedure for preparing enteric-coated pellets containing a proton pump Inhibitor with benzimidazole structure, useful for preparing multi-particle pharmaceutical compositions for oral use that comprises the following stages: I) coat pure cellulose cores with a hydroalcoholic suspension that contains the proton pump inhibitor, a dibasic amino acid and polyvinylpyrrolidone; II) isolate the coated pure cellulose cores obtained in Stage I; III) apply an enteric coating to the particles obtained in Stage II above; and IV) dry the particles obtained in Stage III above and separate by size.