

High performance liquid chromatography method for determination of methyl 5-benzoyl-2-benzimidazolecarbamate (mebendazole) and its main degradation product in pharmaceutical dosage forms. Al-Kurdi, Z.; Al-Jallad, T.; Badwan, A.; Jaber, A. M. Y.. The Jordanian Pharmaceutical Manufacturing and Medical Equipment Co. Ltd., Naor, Japan. *Talanta* (1999), 50(5), 1089-1097. Publisher: Elsevier Science B.V., CODEN: TLNTA2 ISSN: 0039-9140. Journal written in English. CAN 132:98241 AN 1999:817911 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R))

Abstract

Me 5-benzoyl-2-benzimidazolecarbamate (mebendazole) is a drug used as an anthelmintic. A HPLC method was developed in this study to det. mebendazole and its degrdn. product in tablets and suspensions. The expected major degrdn. product of mebendazole in the dosage forms was prepd., and identified as 2-amino-5-benzoylbenzimidazole. The proposed HPLC assay was selective, accurate (percent recoveries were in the range of 99.9-100.9) for both, mebendazole and the degrdn. product, repeatable and reproducible (replicate measurements for short and long term measurements showed RSD of $\leq 1.4\%$). The methodol. can be considered as a stability indicating method for mebendazole in pharmaceutical dosage forms.