

Selective Determination of Bambuterol Hydrochloride in the Presence of its Active Metabolite Terbutaline

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Abstract

Stability-indicative detn. of bambuterol hydrochloride (BH) in the presence of its degrdn. product (terbutaline), which is also the metabolite, is investigated. The degrdn. product was isolated, via acid-degrdn., characterized and elucidated. Selective quantification of BH, singly in bulk form, pharmaceutical formulations and/or in the presence of its major degrdn. product is demonstrated. The indication of stability was undertaken under conditions likely to be expected at normal storage conditions. Among the spectrophotometric methods adopted for quantification are second deriv. (2D), first deriv. of ratio spectra (1DD), ratio subtraction and bivariate anal. [on SciFinder(R)]

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