An Experimental and Computational Study on the Epimeric Contribution to the Infrared Spectrum of Budesonide


Abstract:

Budesonide is a mixture of 22R and 22S epimers. The epimeric content of budesonide was reported in both British and European pharmacopoeias to be within the range of 60±49/40±51 for R and S epimers, respectively. In this work, contribution of the two epimers to the overall infrared spectrum of budesonide has been investigated by quantum chemical calculations.

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