Electronic Supplementary Material

The structure-property relationship of four crystal forms of rifaximin

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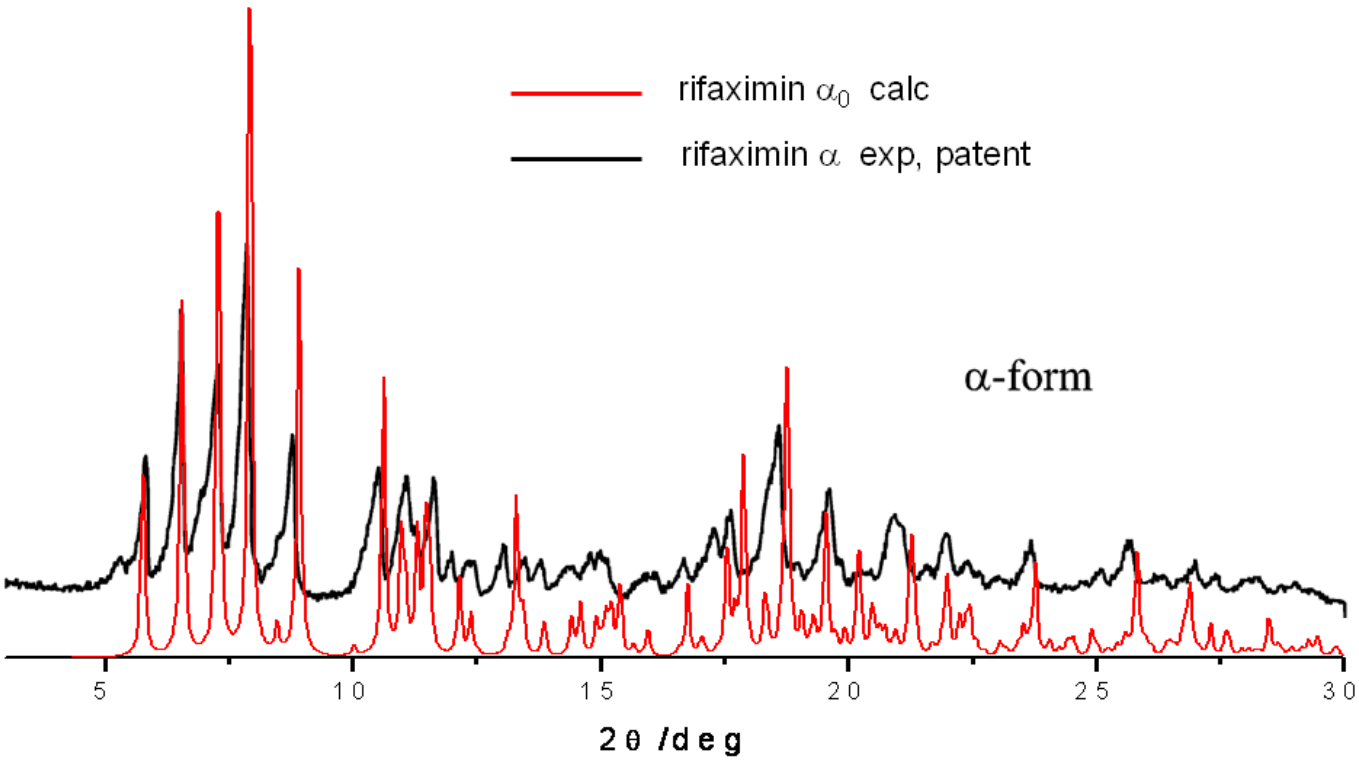
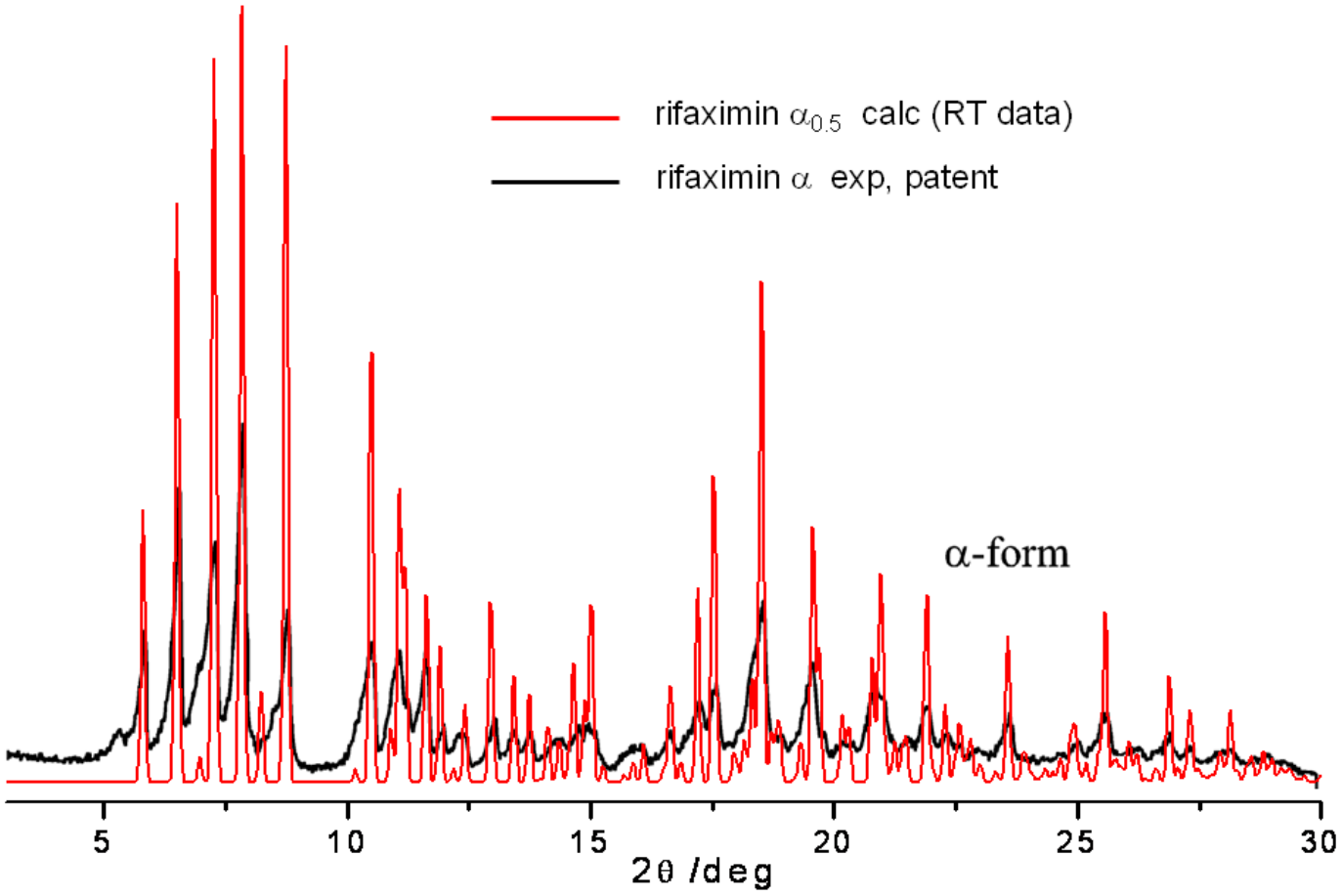
Comparison between calculated patterns for the structures described in the present work and the patterns published in ref. 1 (CrystEngComm 2008) for patented α, β, δ and ε forms.

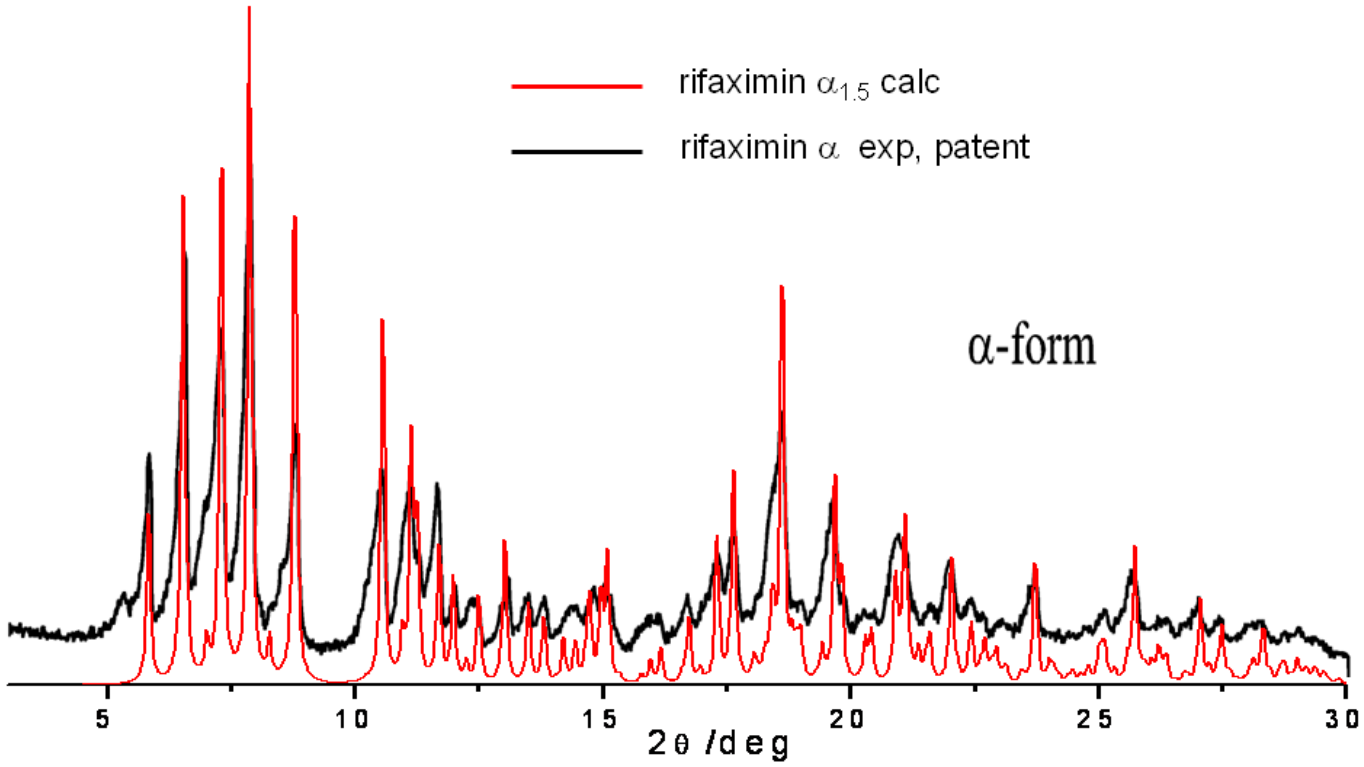
Rifaximin α_0 (single crystal data) / Rifaximin form α (ref. 1)



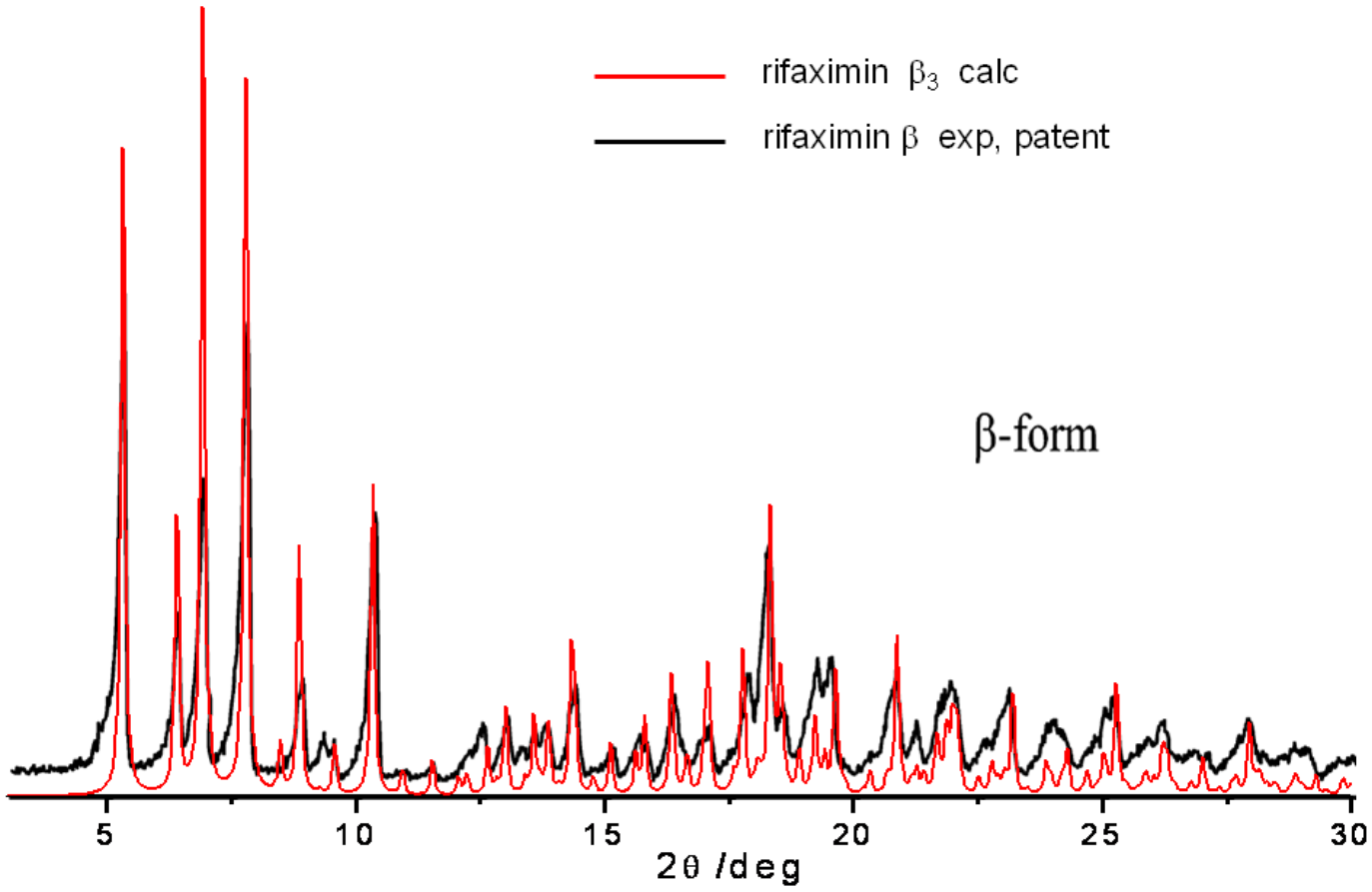
Rifaximin $\alpha_{0.5}$ (single crystal data, RT) / Rifaximin form α (ref. 1)



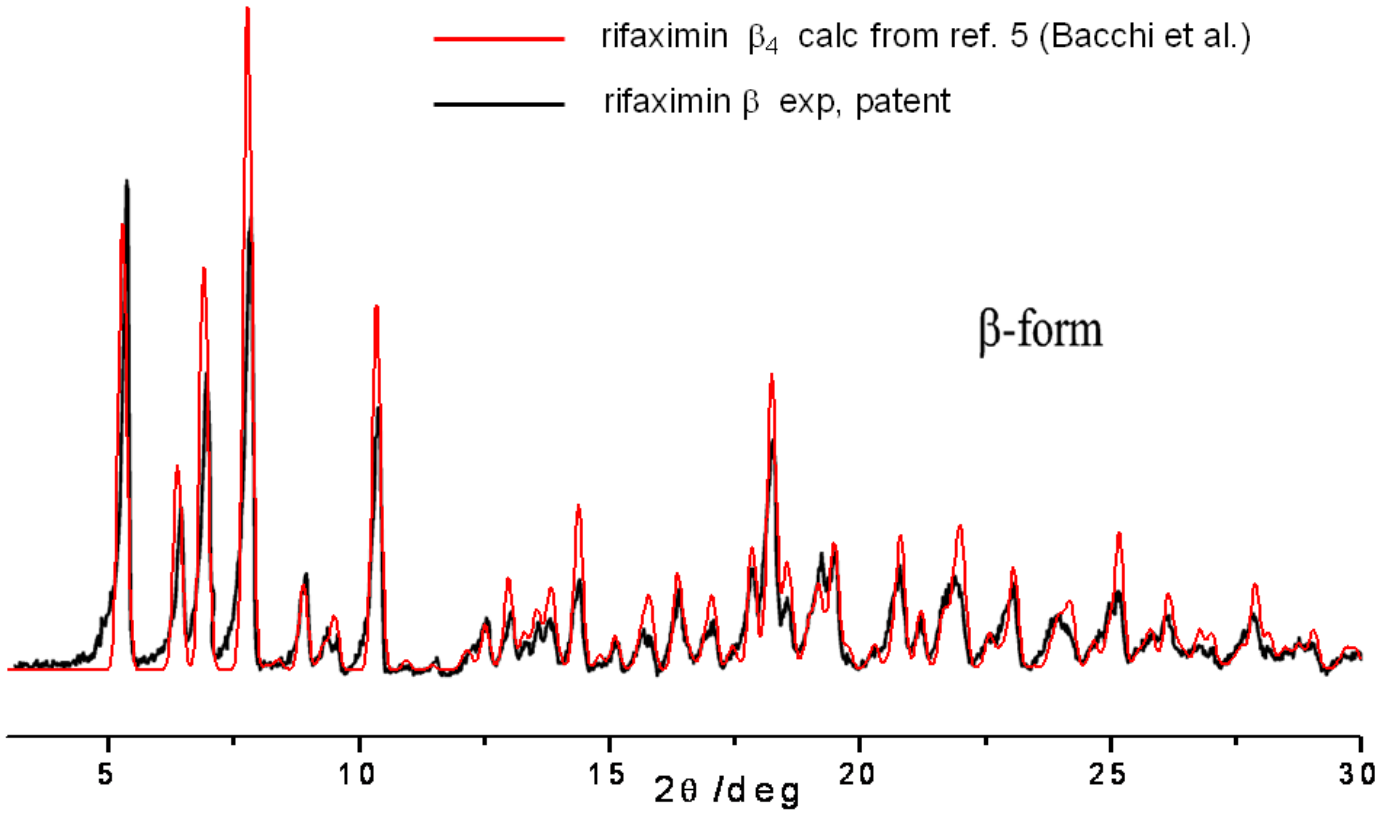
Rifaximin $\alpha_{1.5}$ (single crystal data) / Rifaximin form α (ref. 1)



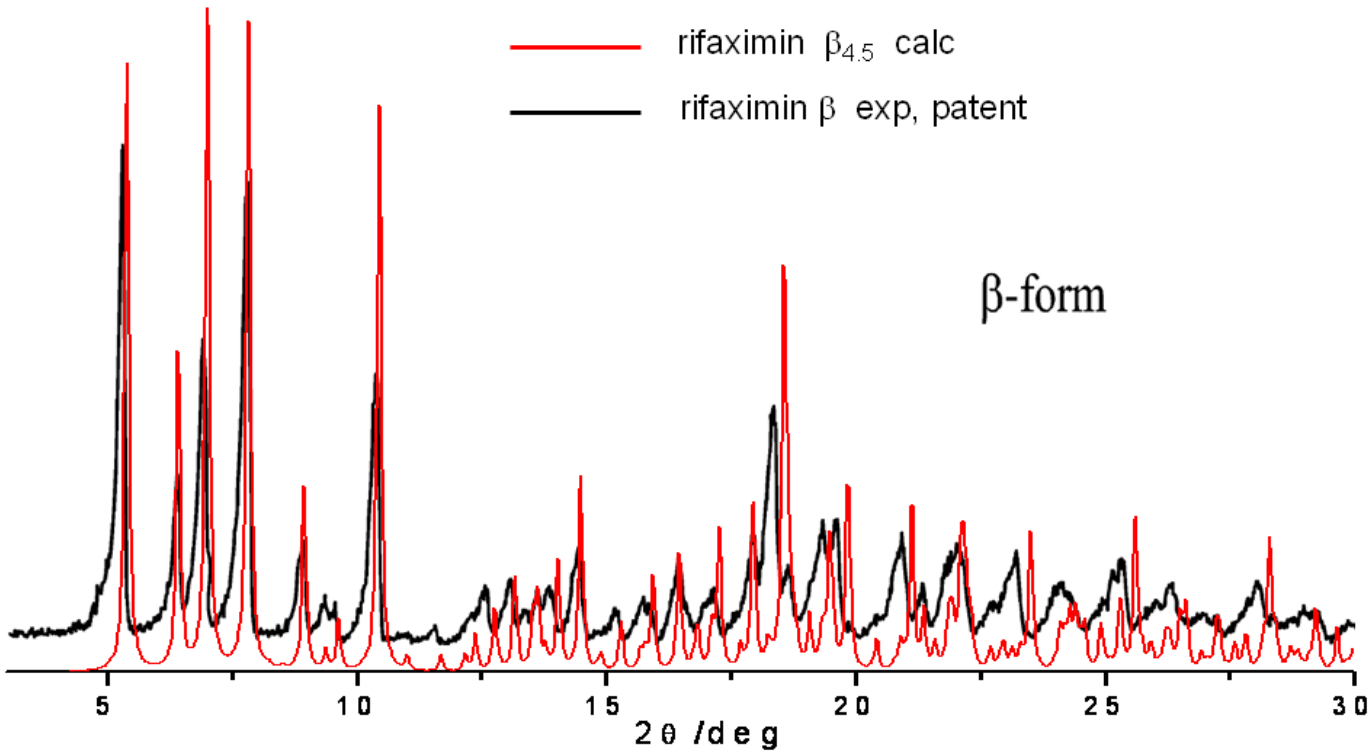
Rifaximin β_3 (single crystal data) / Rifaximin form β (ref. 1)



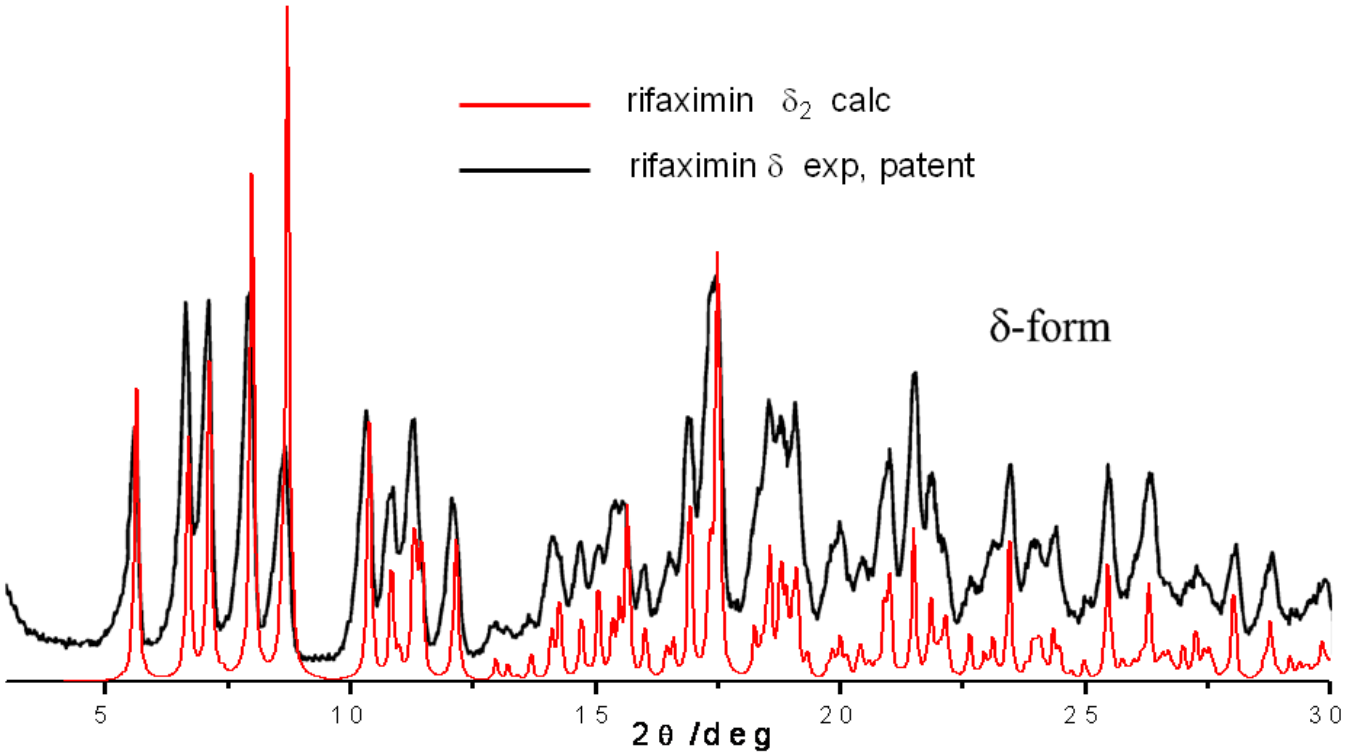
Rifaximin β_4 (single crystal data, from ref. 5, Bacchi et al. 2008) / Rifaximin form β (ref. 1)



Rifaximin $\beta_{4.5}$ (single crystal data) / Rifaximin form β (ref. 1)



Rifaximin δ_2 (powder data) / Rifaximin form δ (ref. 1)



Rifaximin $\varepsilon_{0.5}$ (powder data) / Rifaximin form ε (ref. 1)