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Supporting information for

Growing single crystals of small molecules by thermal recrystallization, a viable option even for minute amounts of material?

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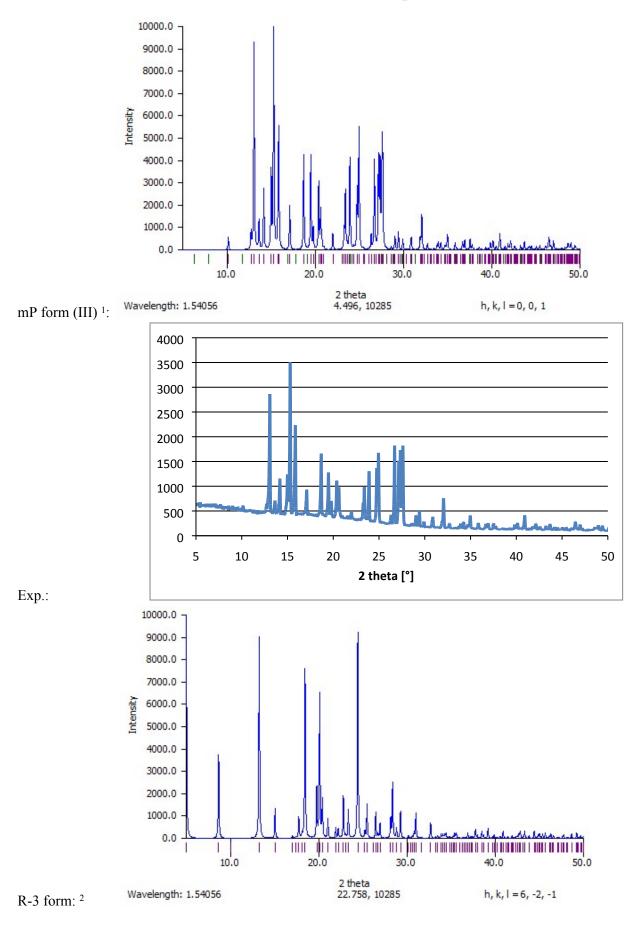
Content

- 1. Powder diffraction of commercial carbamazepine
- 2. Powder diffraction of commercial *para*-amino benzoic acid

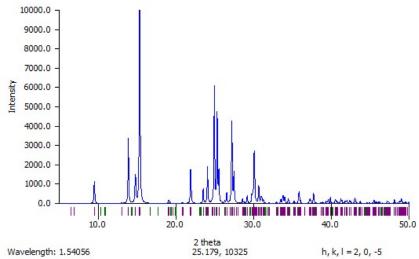
Figure S1: 4s exposure with Cu radiation of a vitamin B₁₂ crystal

Figure S2: UPLC-ESI-MS of a) a reference of vitamin B_{12} , b) vitamin B_{12} that had been heated up in water from 25°C to 95°C at a rate of 1°C/min. and subsequently cooled down to -5°C at a rate of 0.1°C/min. c) vitamin B_{12} that had been heated up in water from 25°C to 95°C at a rate of 1°C/min. and subsequently cooled down to -5°C at a rate of 0.05°C/min.

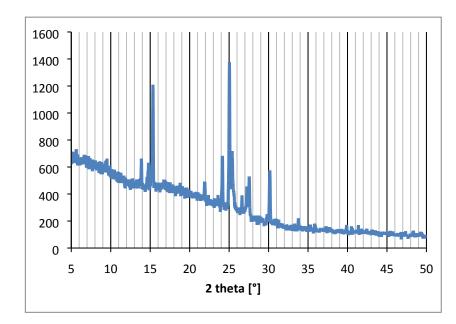
1. Powder diffraction of commercial carbamazepine



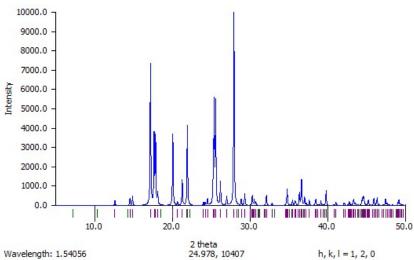
Powder diffraction of commercial para-amino benzoic acid 2.



 α form ³:



Exp.:



β form: ⁴

References

- V. L. Himes, A. D. Mighell and W. H. Decamp, *Acta Cryst.*, 1981, **B37**, 2242-2245. R. Prohens, M. Font-Bardia and R. Barbas, *CrystEngComm*, 2013, **15**, 845-847. T. F. Lai and R. E. Marsh, *Acta Cryst.*, 1967, **22**, 885-893. S. Gracin and A. Fischer, *Acta Cryst.*, 2005, **E61**, o1242-o1244. 1. 2.
- 3.
- 4.

Figure S1: 4s exposure with Cu radiation of a vitamin B_{12} crystal

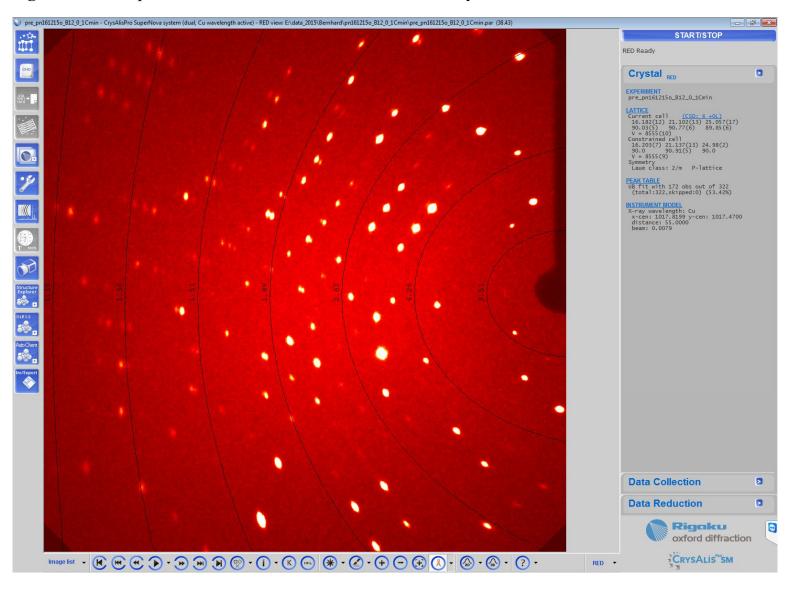


Figure S2a: Chromat Intens.

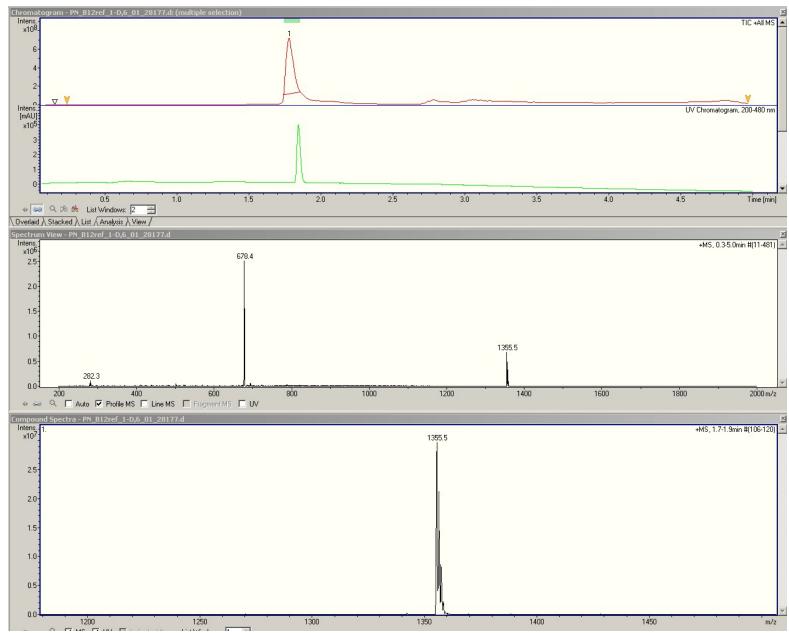


Figure S2b: Chromat Intens.: 108: 108:

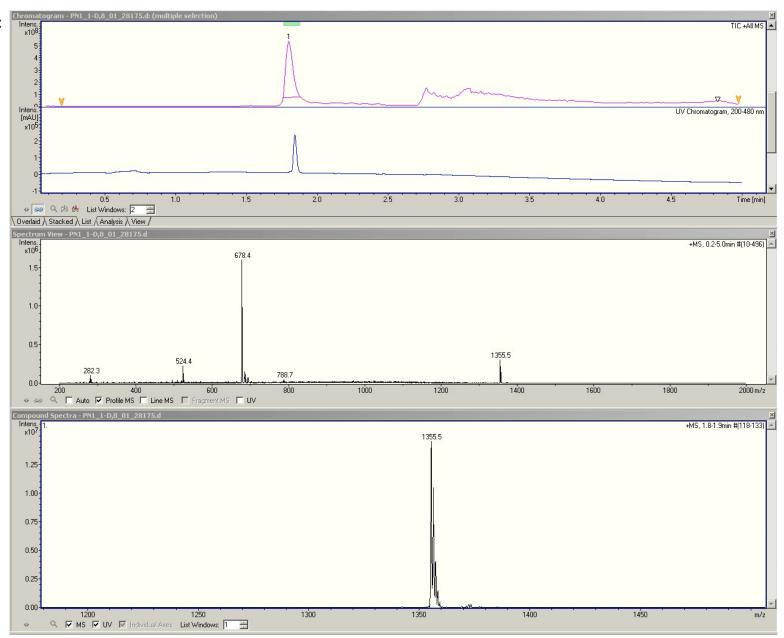


Figure S2c: Chromat Intens: x108

