Electronic Supplementary Material for CrystEngComm

Supplementary Material

Control and interconversion of cocrystal stoichiometry in grinding: stepwise mechanism for the formation of a hydrogen-bonded cocrystal

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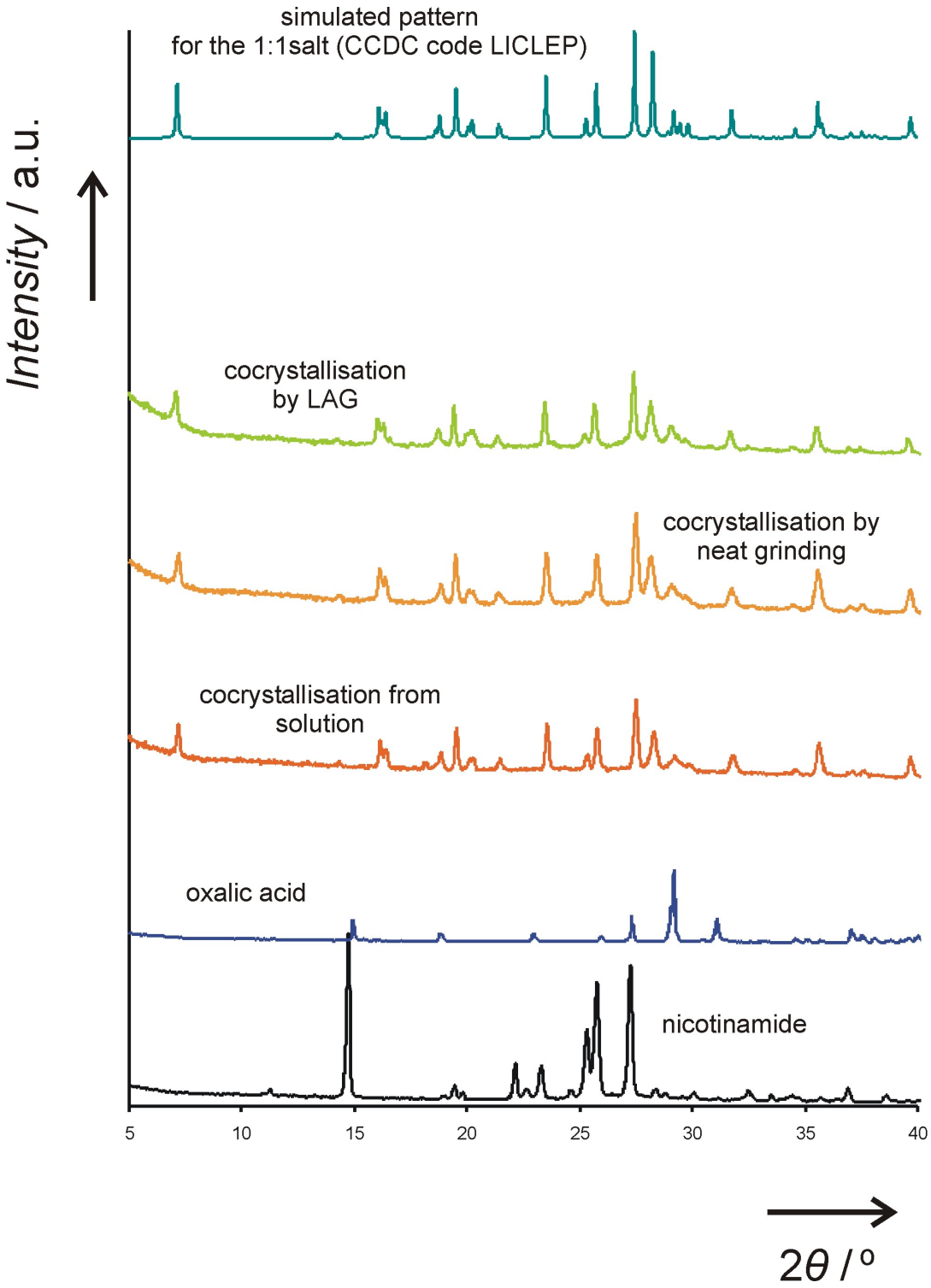

Figure S1. PXRD patterns for screening experiments involving **na** and **oxa** in 1:1 stoichiometric ratio. Screening from the melt was not performed due to the sensitivity of oxalic acid to elevated temperatures.

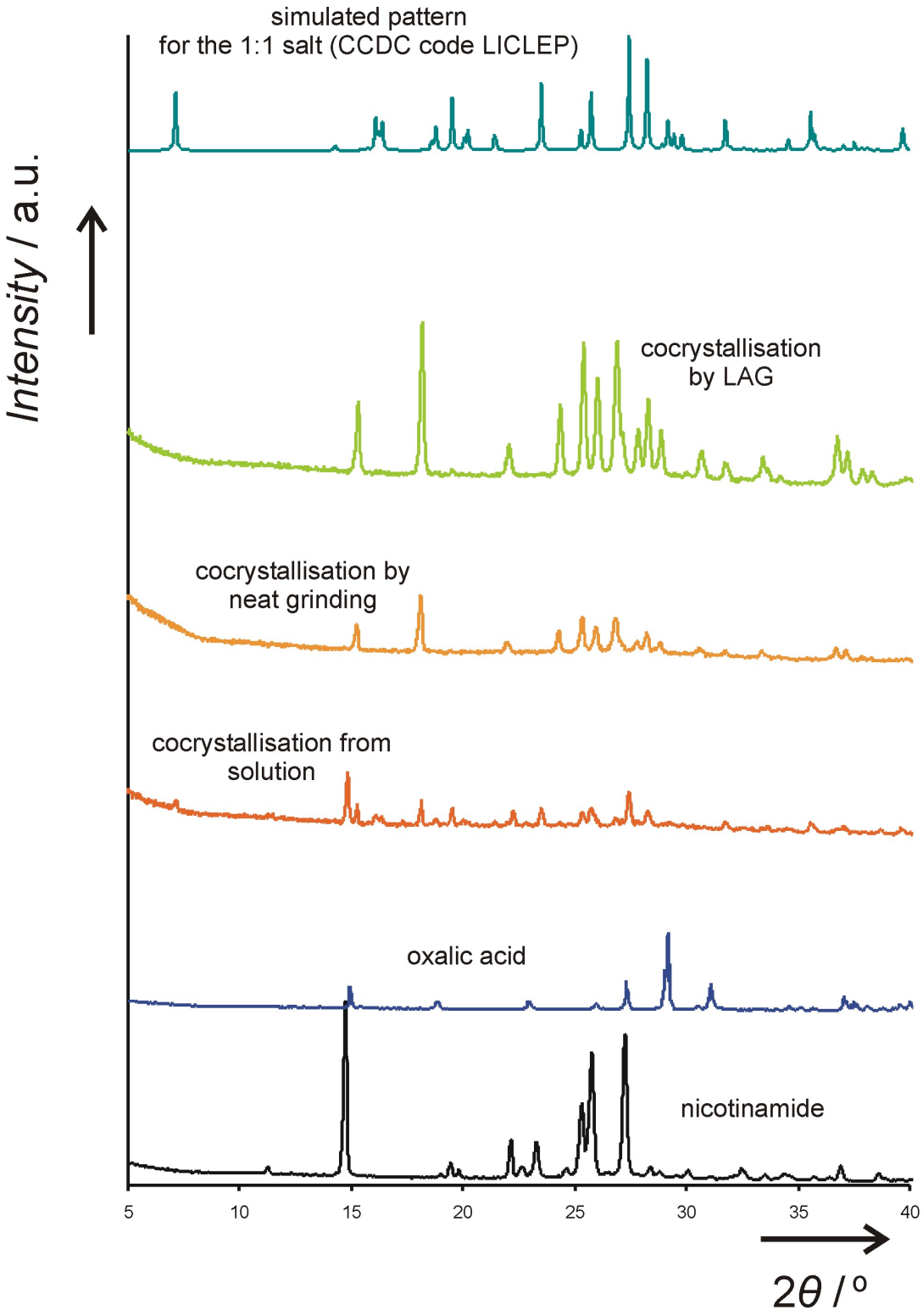

Figure S2. PXRD patterns for screening experiments involving **na** and **oxa** in 2:1 stoichiometric ratio. Screening from the melt was not performed due to the sensitivity of oxalic acid to elevated temperatures.

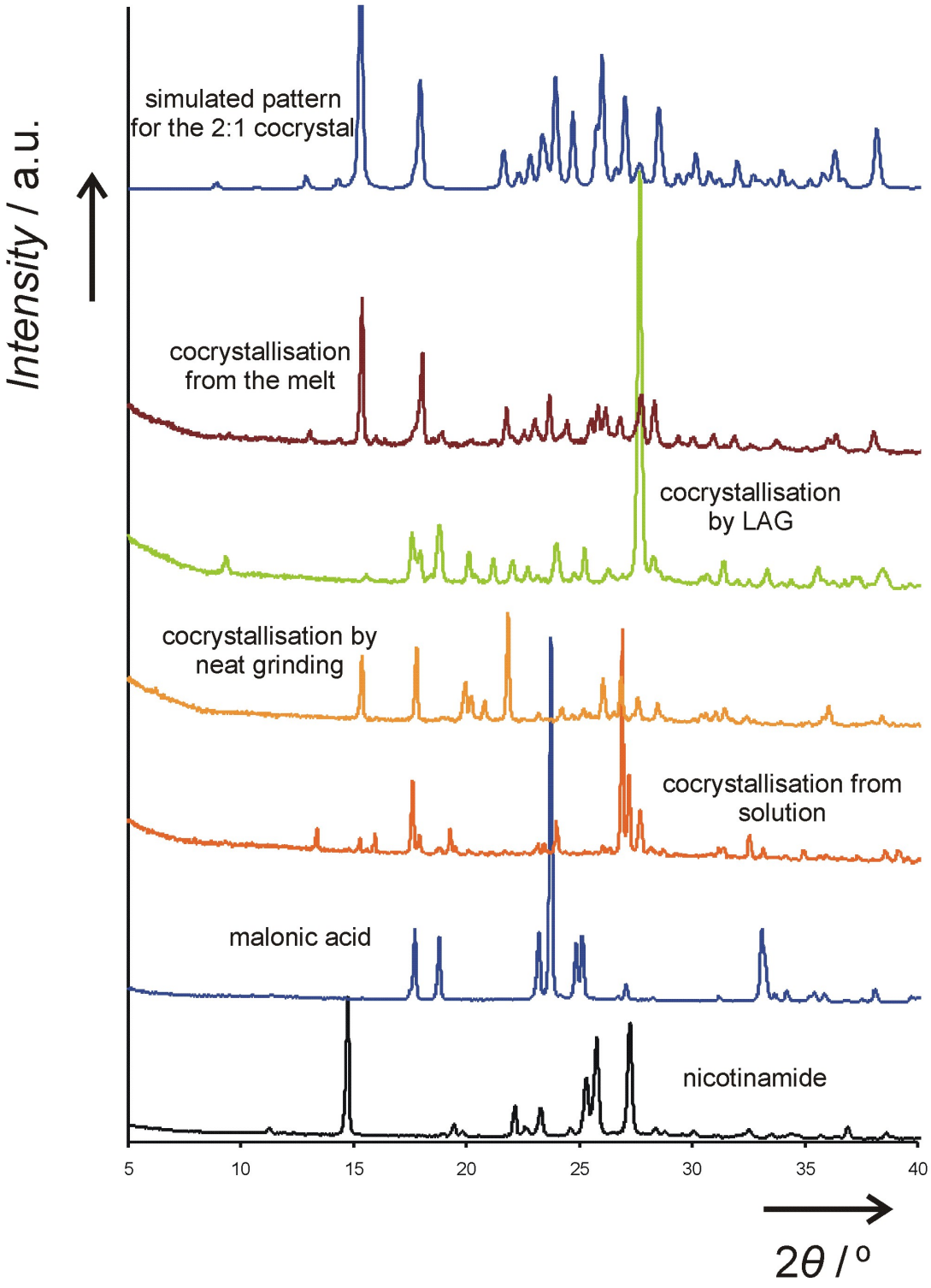

Figure S3. PXRD patterns for screening experiments involving **na** and **mal** in 1:1 stoichiometric ratio.

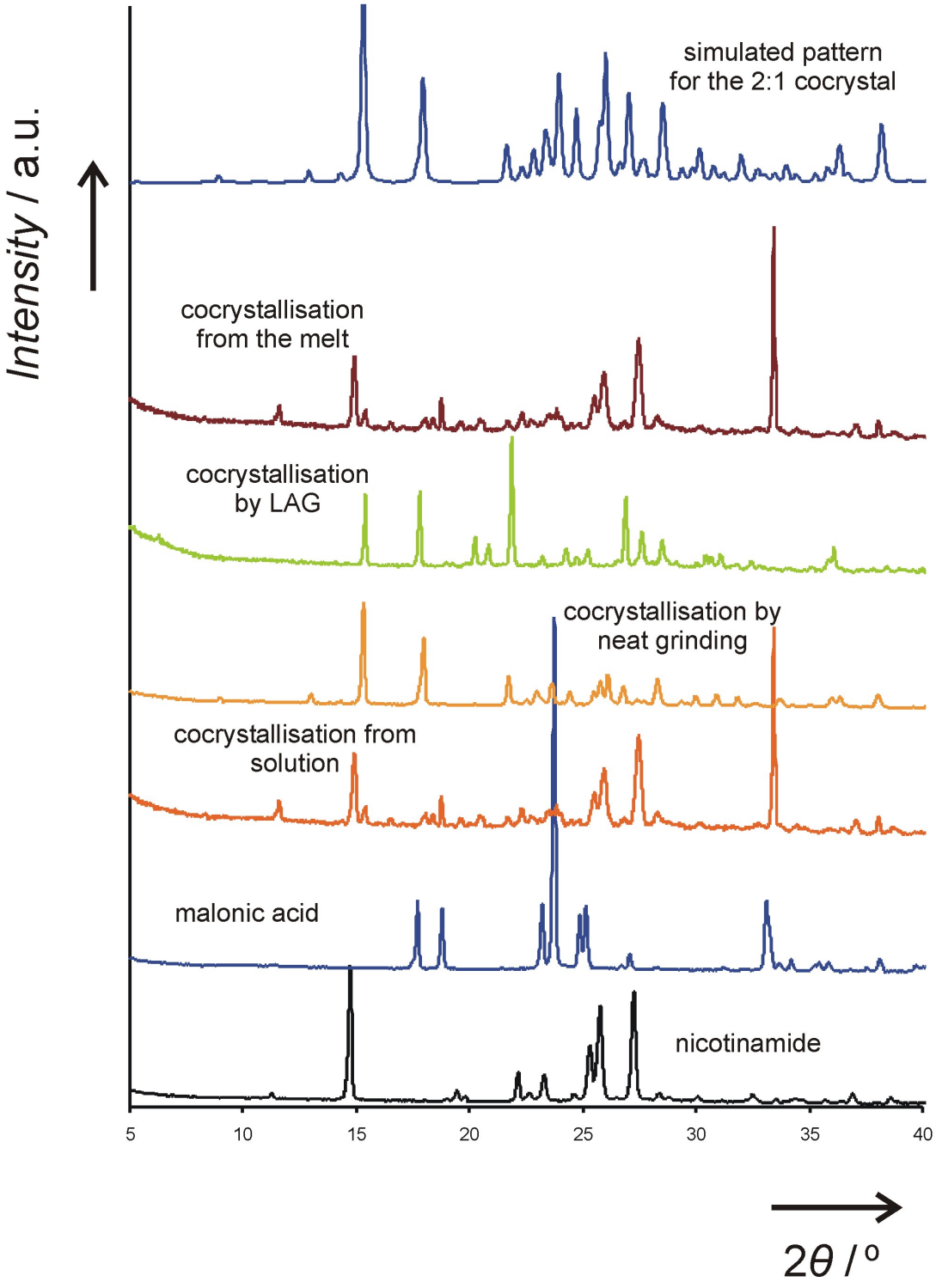

Figure S4. PXRD patterns for screening experiments involving **na** and **mal** in 2:1 stoichiometric ratio.

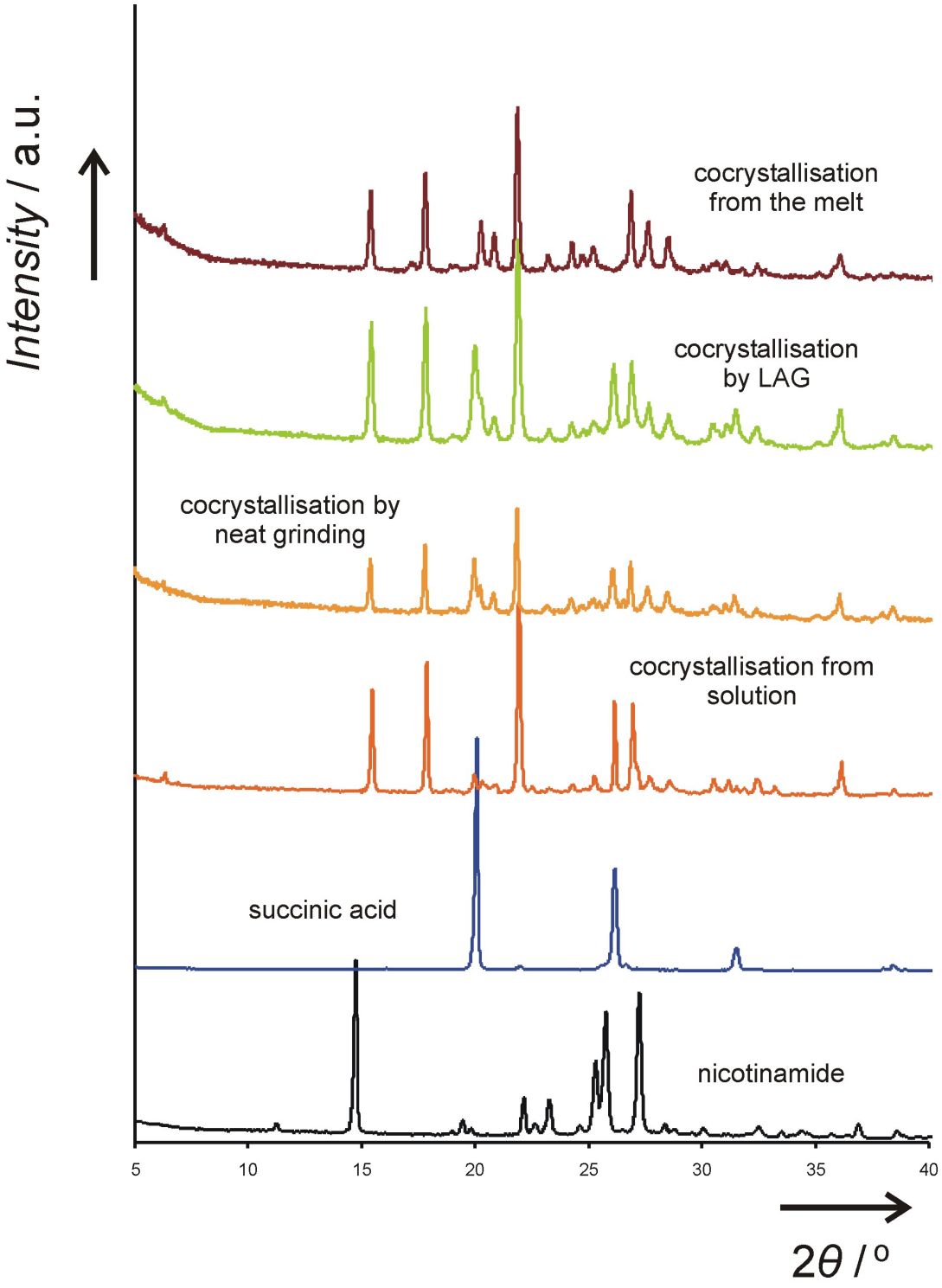

Figure S5. PXRD patterns for screening experiments involving **na** and **suc** in 1:1 stoichiometric ratio.

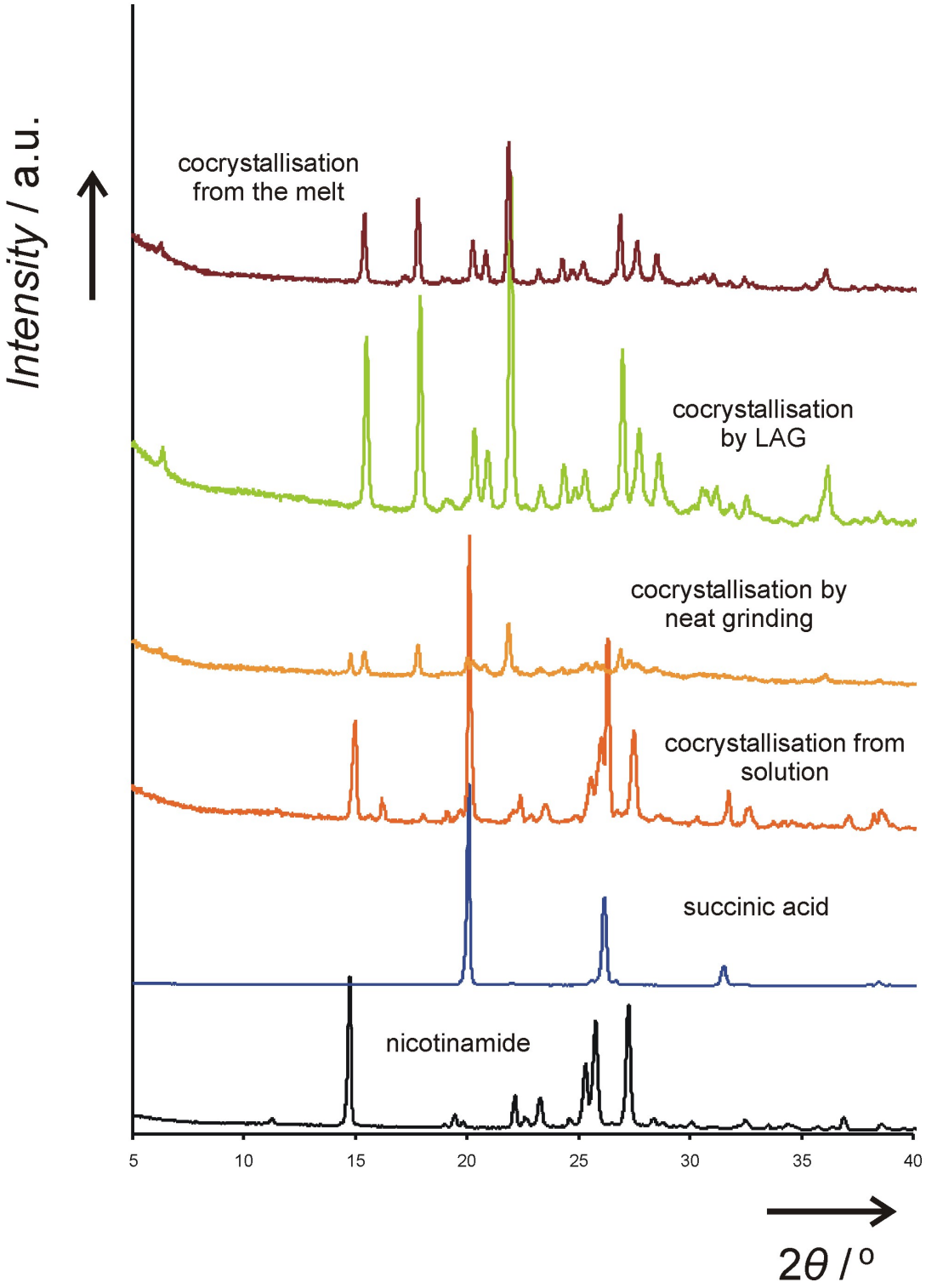

Figure S6. PXRD patterns for screening experiments involving **na** and **suc** in 2:1 stoichiometric ratio.

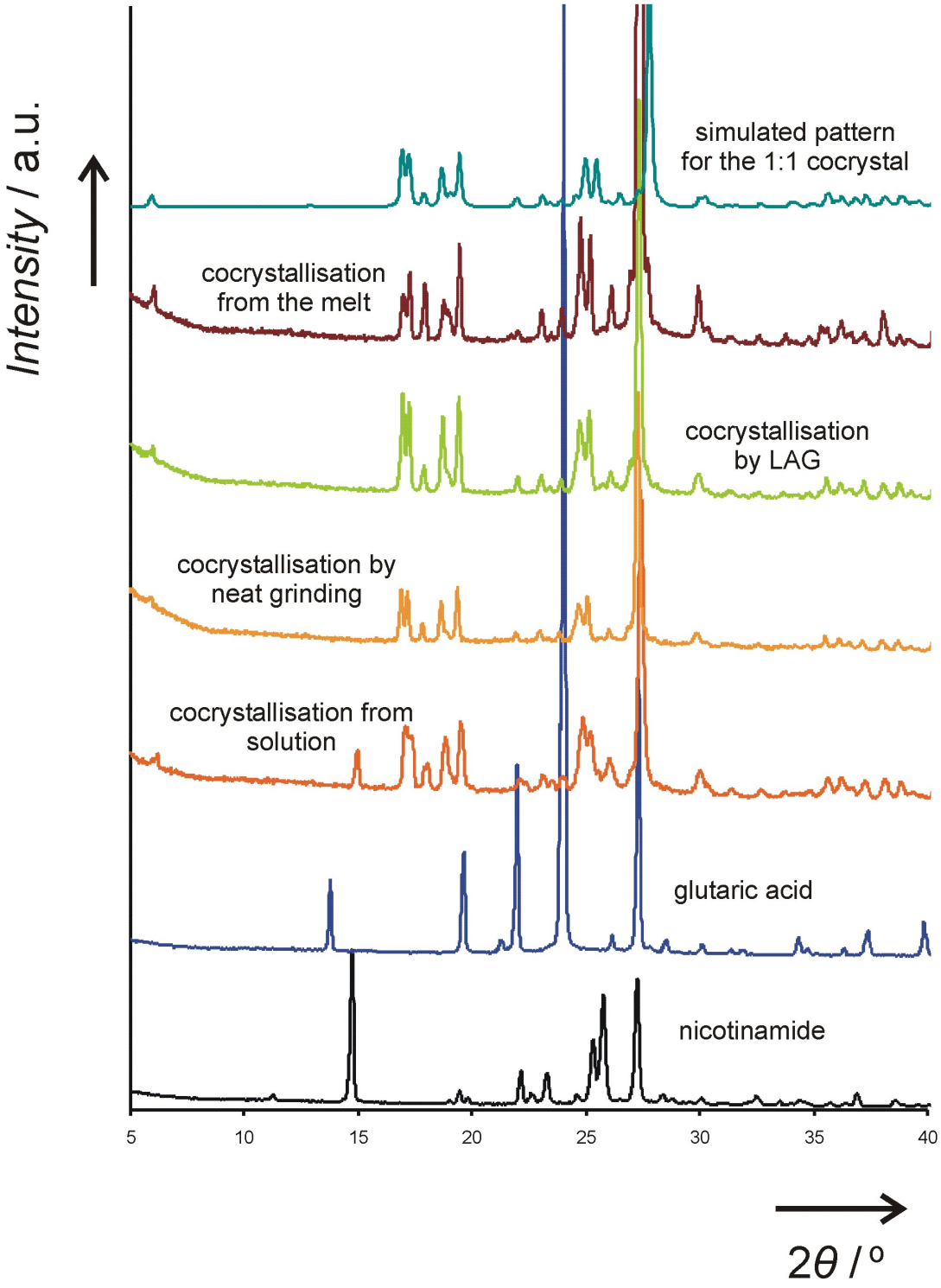

Figure S7. PXRD patterns for screening experiments involving **na** and **glu** in 1:1 stoichiometric ratio.

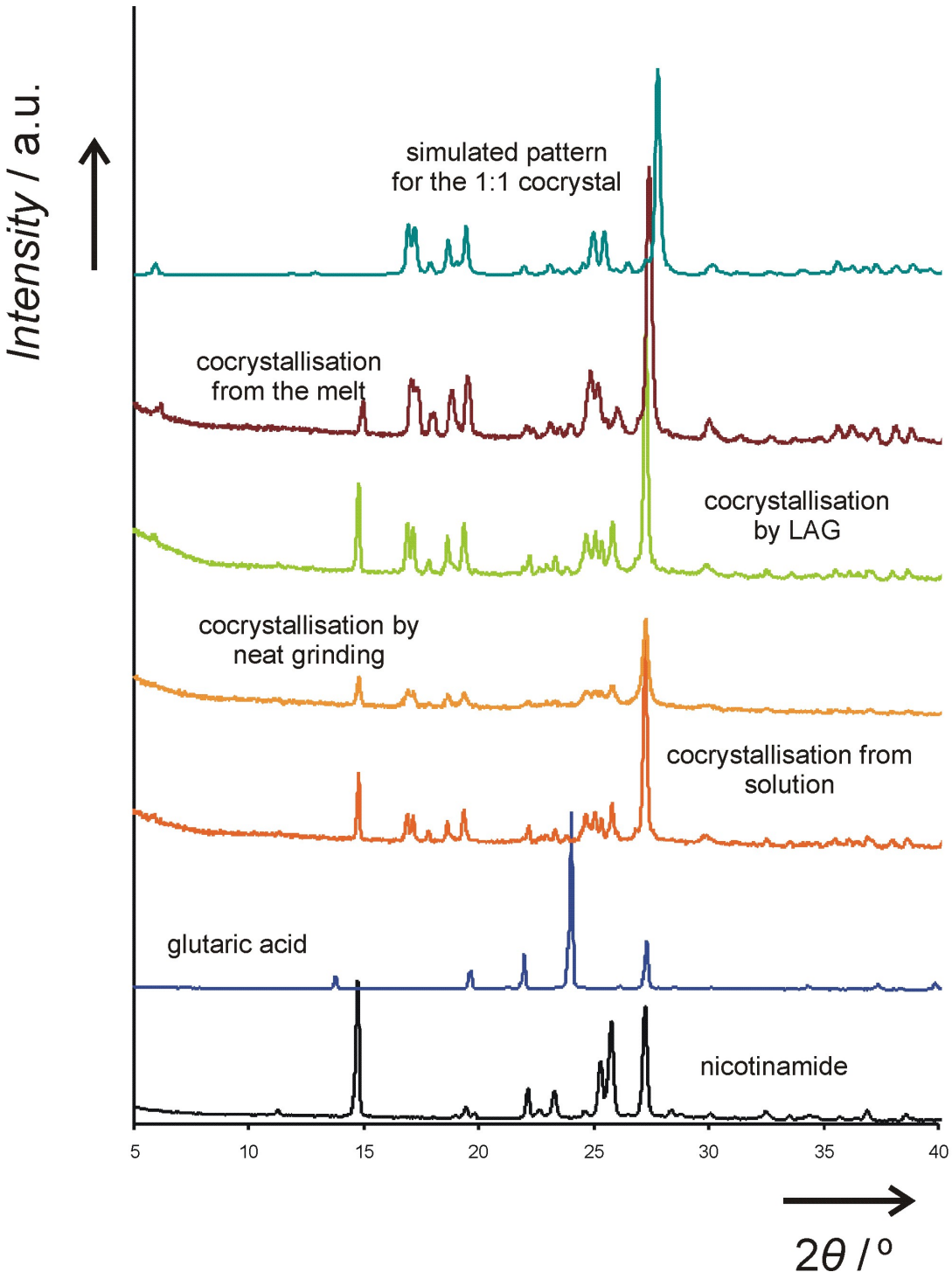

Figure S8. PXRD patterns for screening experiments involving **na** and **glu** in 2:1 stoichiometric ratio.

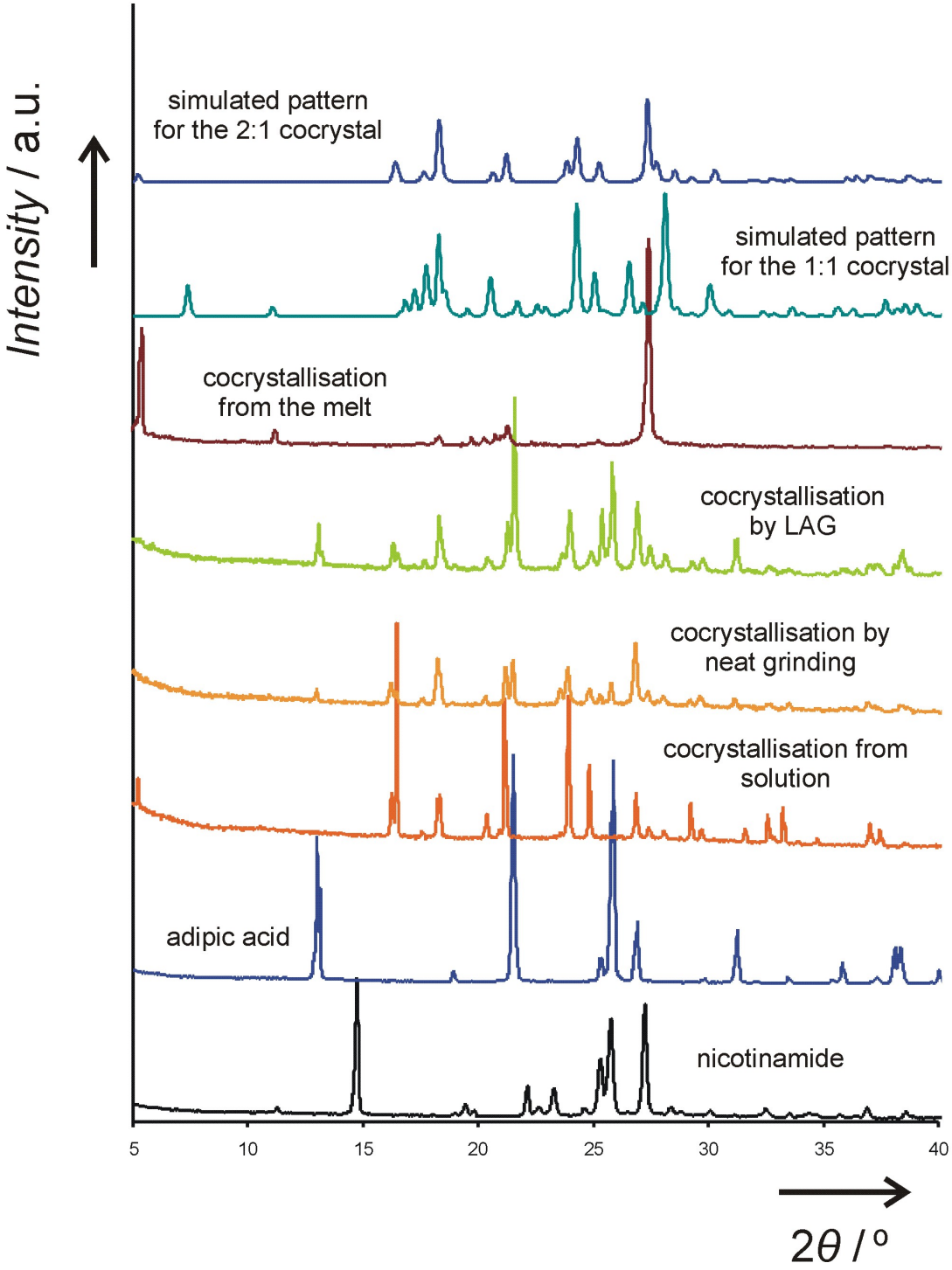

Figure S9. PXRD patterns for screening experiments involving **na** and **adi** in 1:1 stoichiometric ratio.

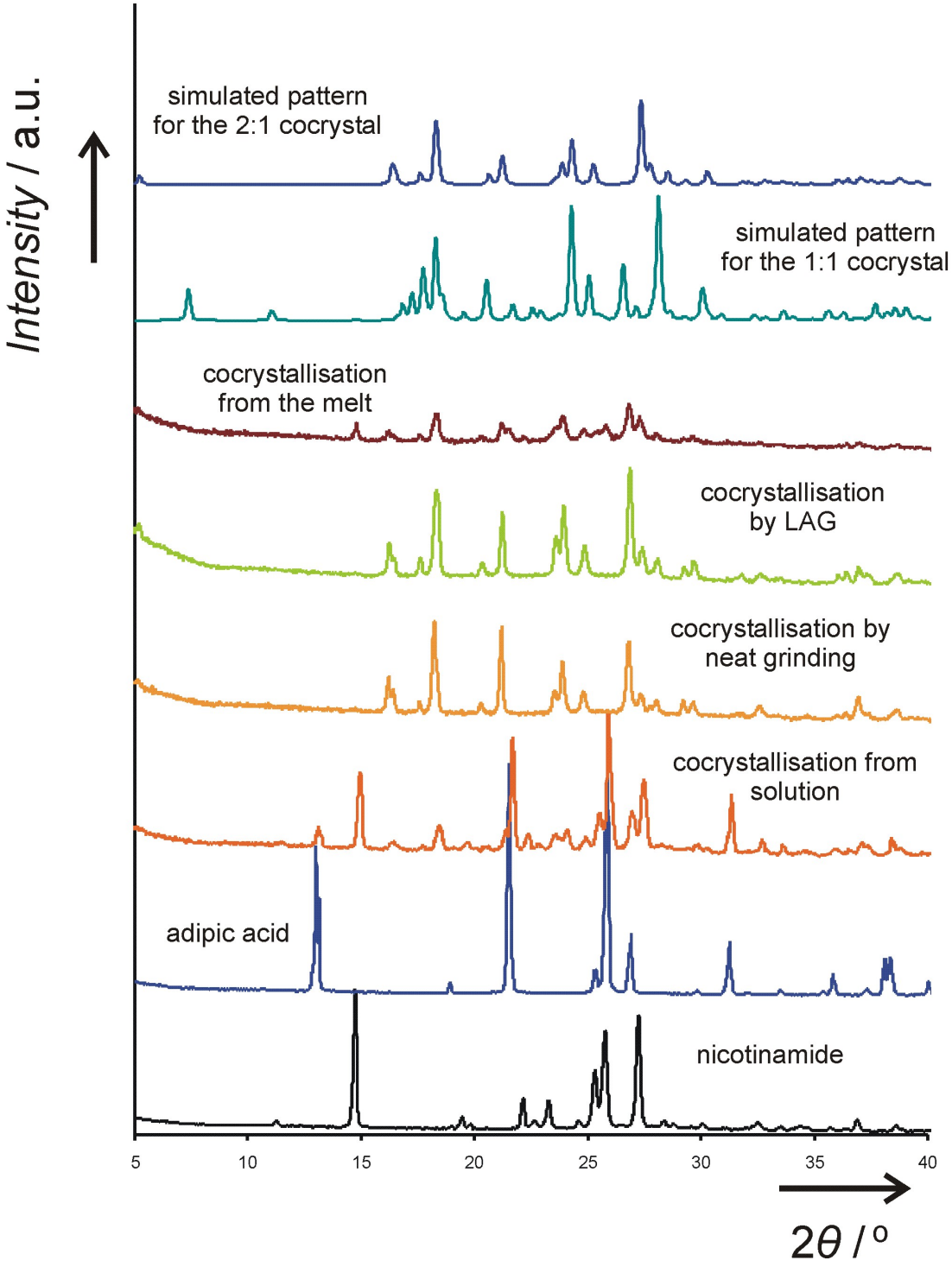

Figure S10. PXRD patterns for screening experiments involving **na** and **adi** in 2:1 stoichiometric ratio.

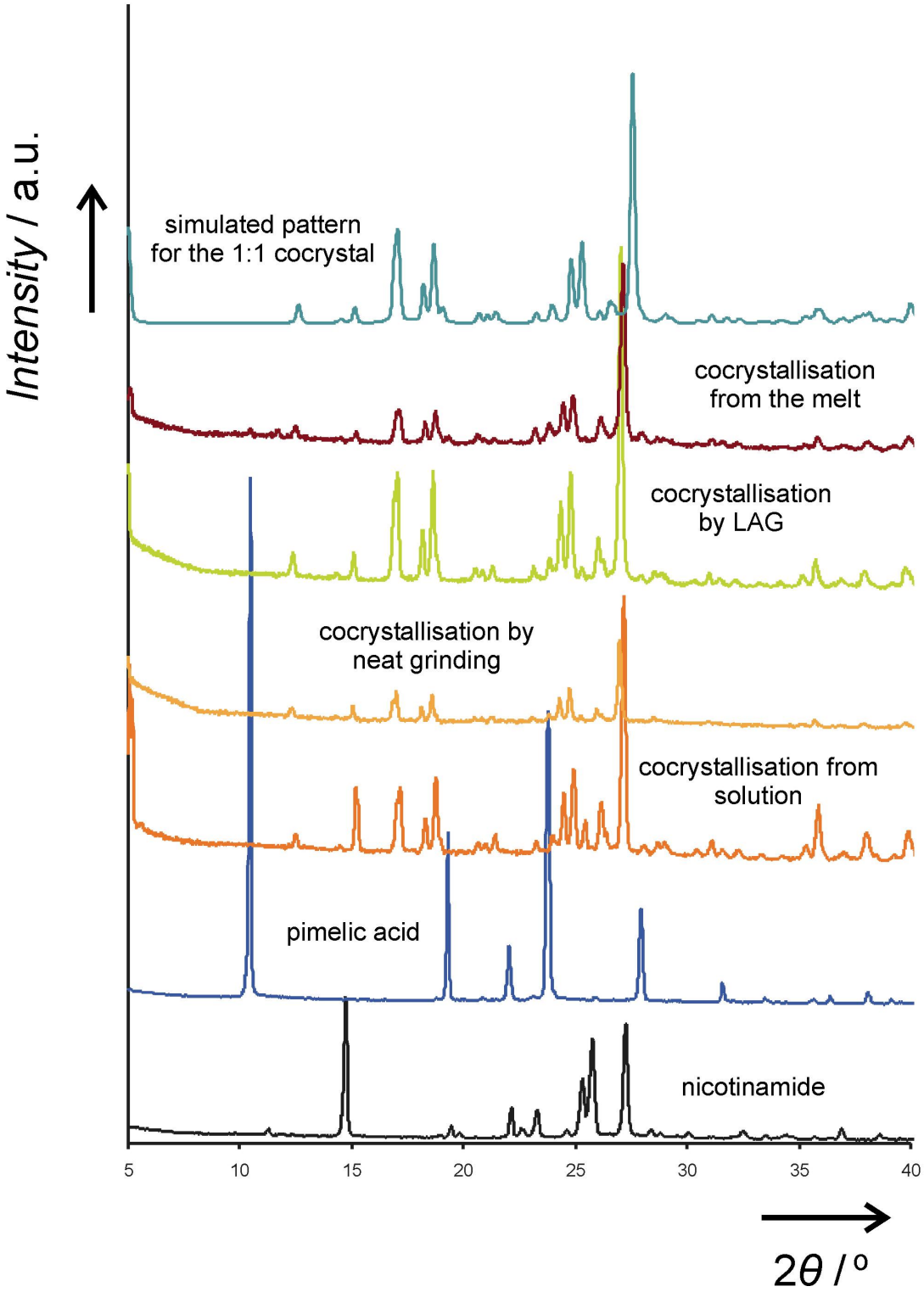

Figure S11. PXRD patterns for screening experiments involving **na** and **pim** in 1:1 stoichiometric ratio.

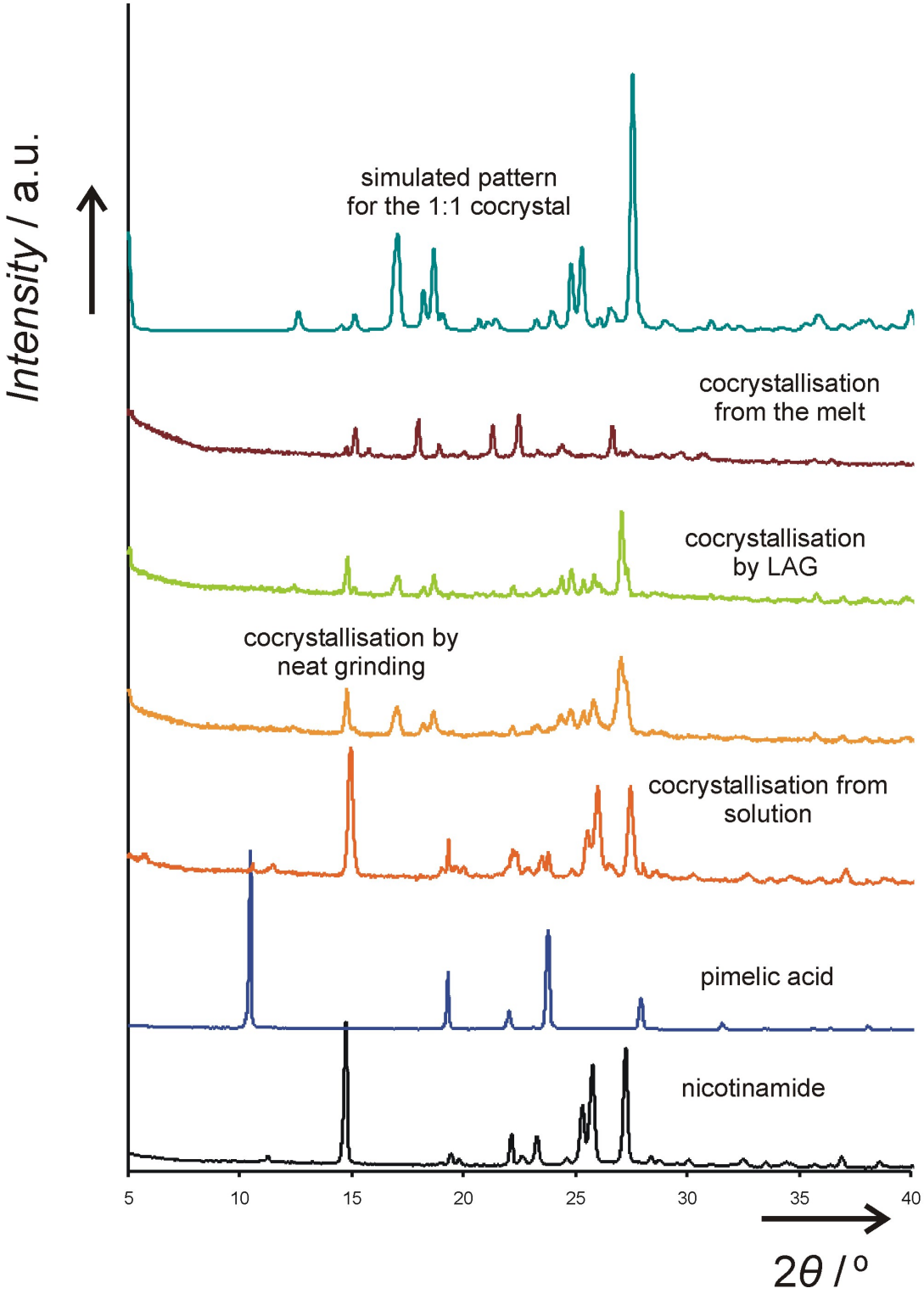

Figure S12. PXRD patterns for screening experiments involving **na** and **pim** in 2:1 stoichiometric ratio.

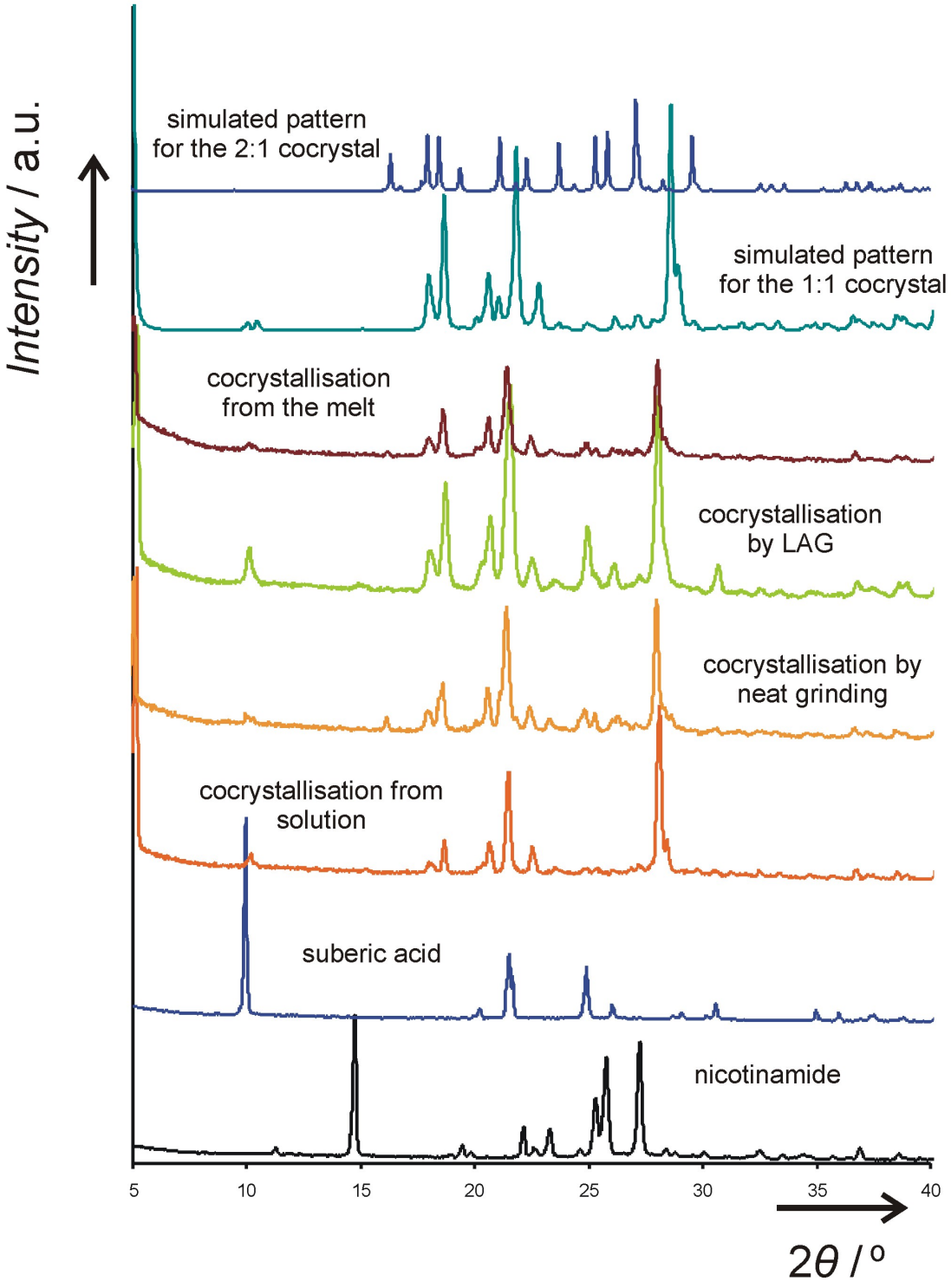

Figure S13. PXRD patterns for screening experiments involving **na** and **sub** in 1:1 stoichiometric ratio.

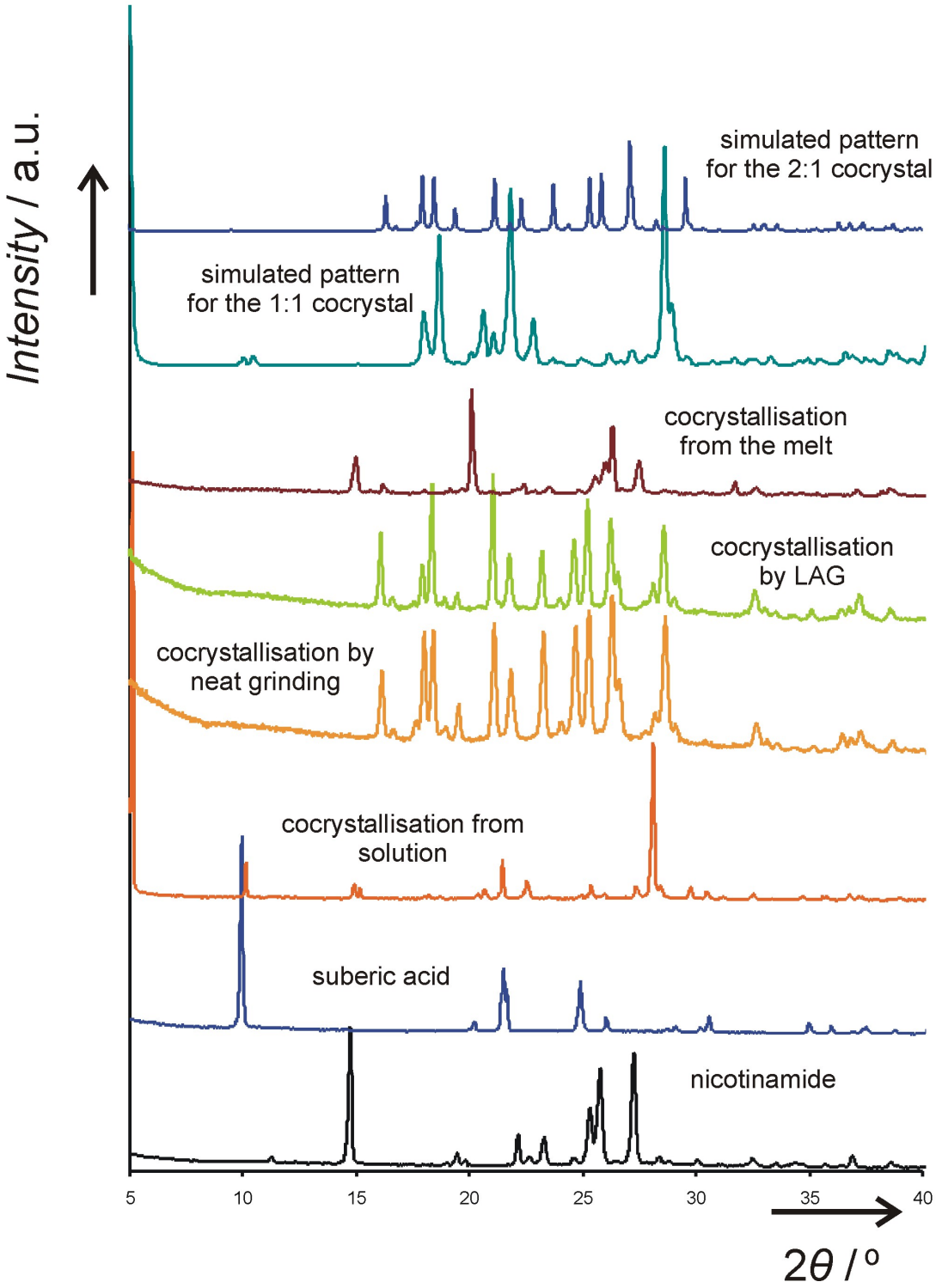

Figure S14. PXRD patterns for screening experiments involving **na** and **sub** in 2:1 stoichiometric ratio.

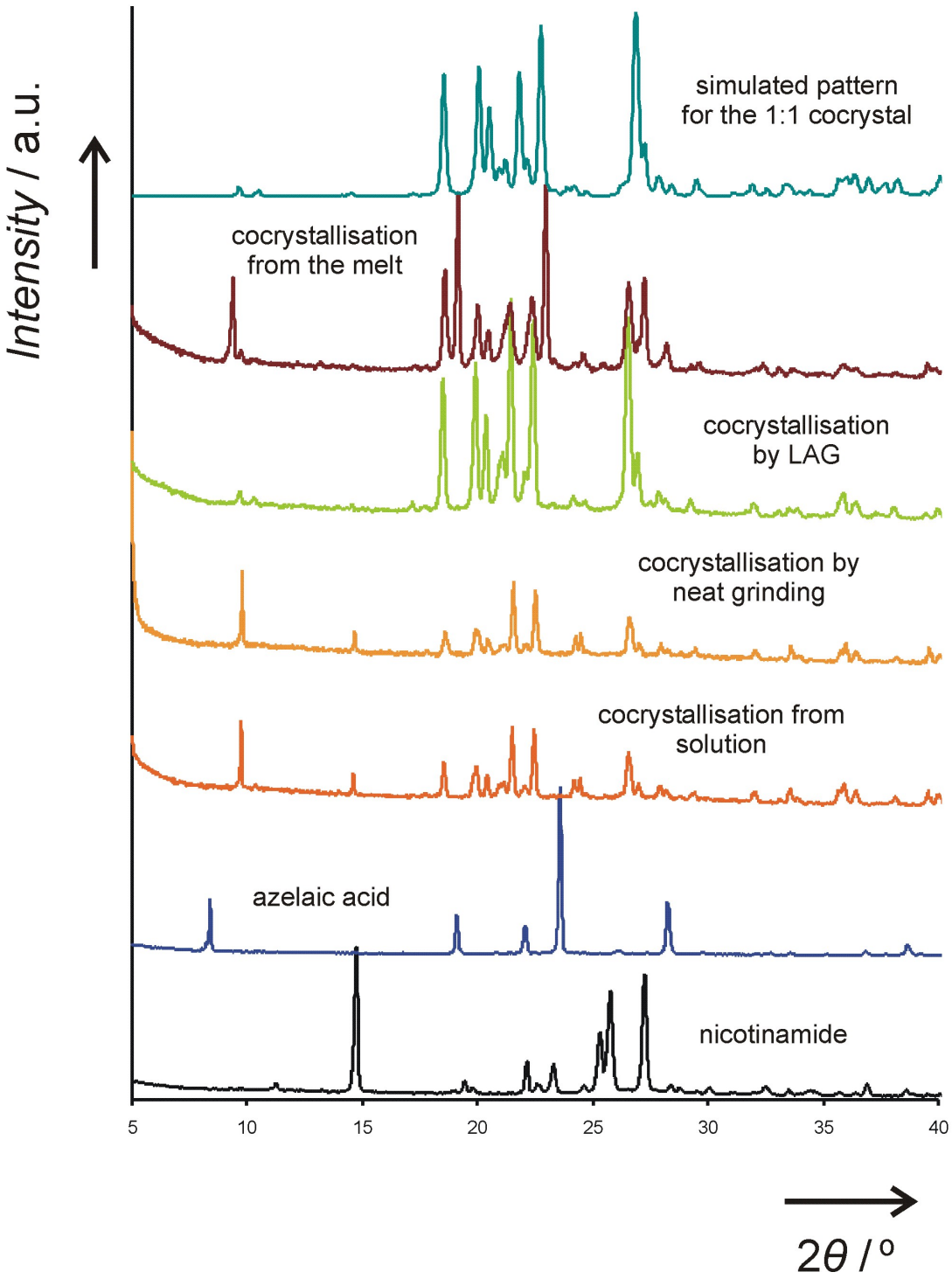

Figure S15. PXRD patterns for screening experiments involving **na** and **aze** in 1:1 stoichiometric ratio.

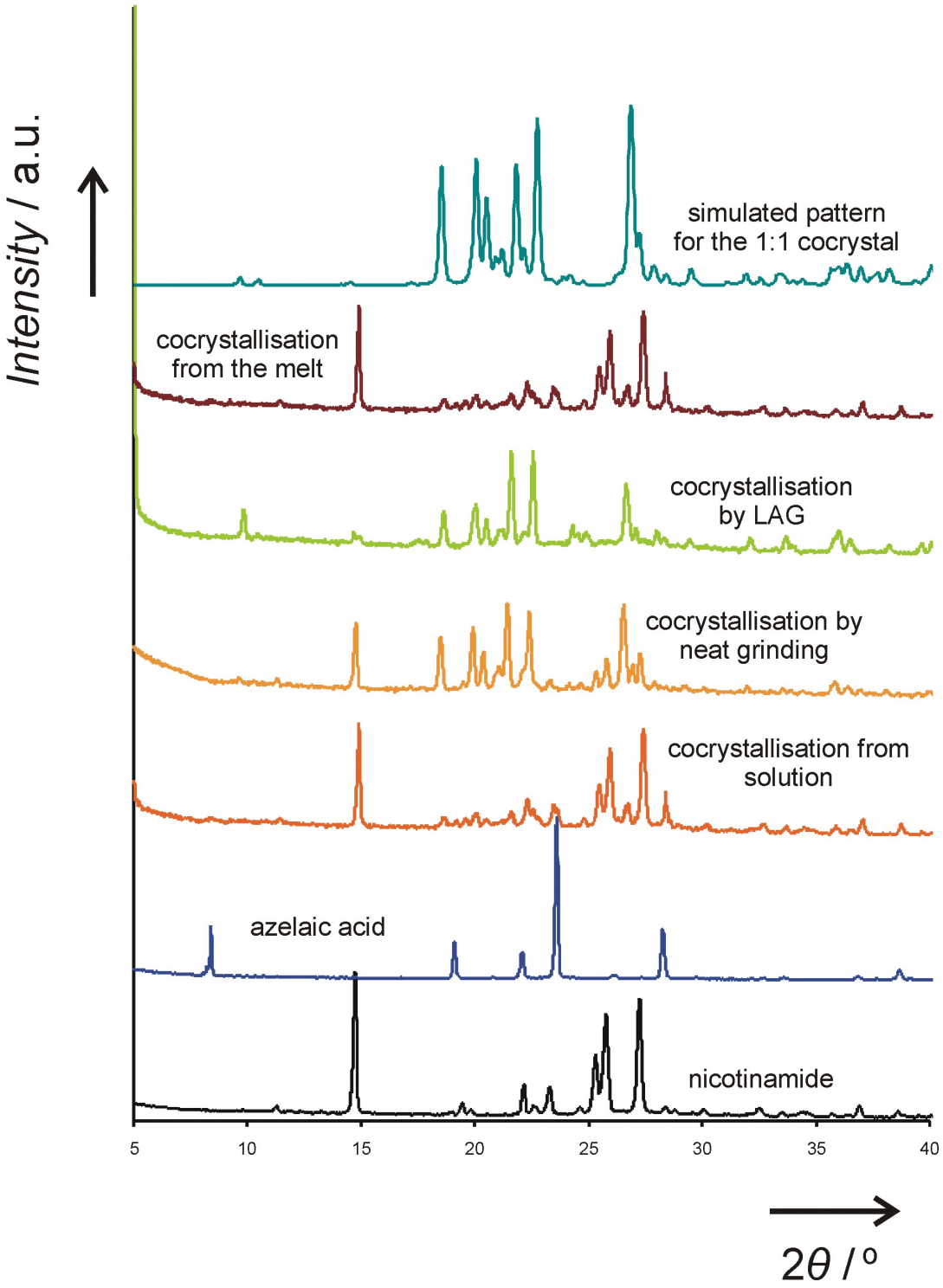

Figure S16. PXRD patterns for screening experiments involving **na** and **aze** in 2:1 stoichiometric ratio.

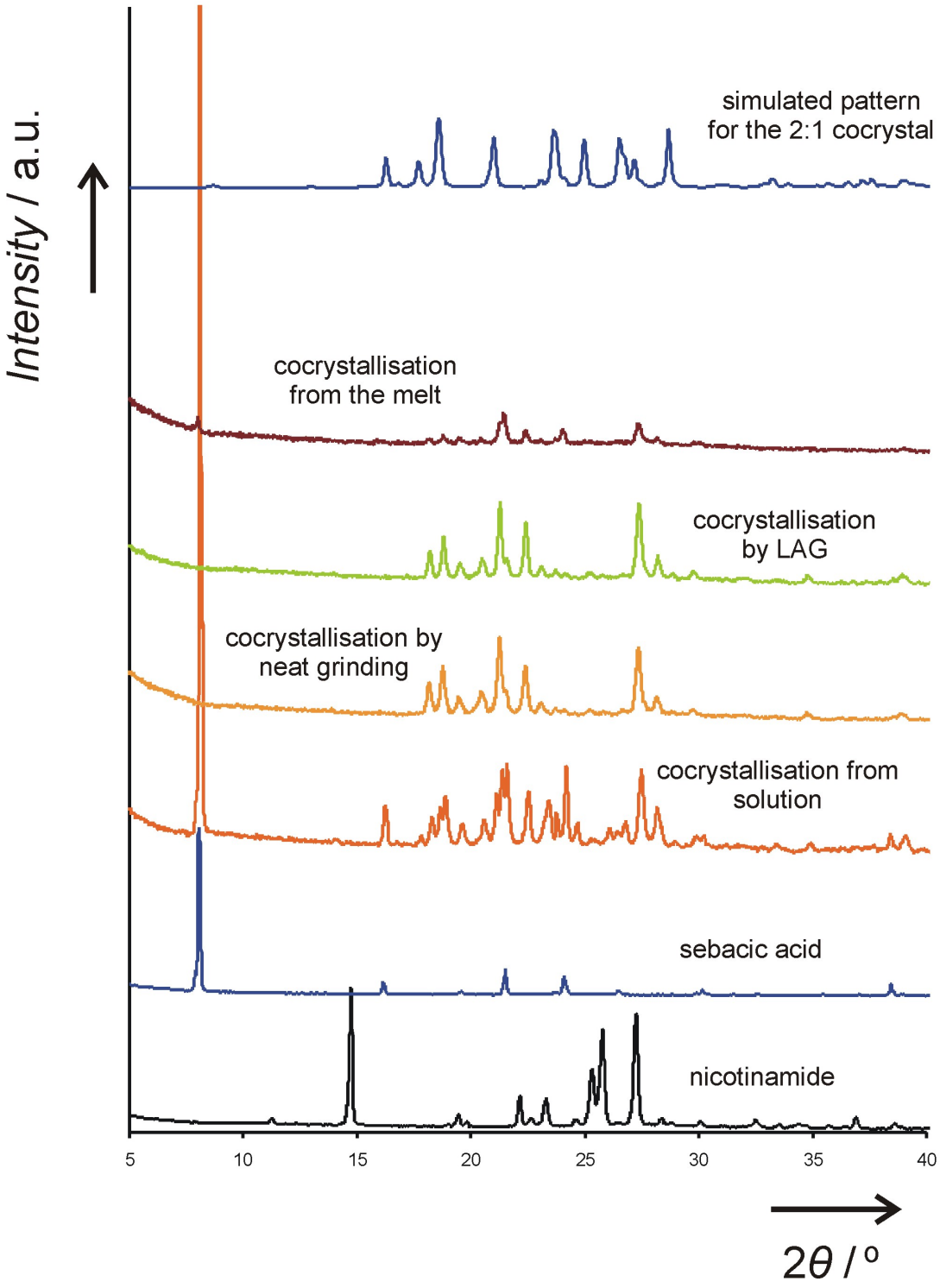

Figure S17. PXRD patterns for screening experiments involving **na** and **seb** in 1:1 stoichiometric ratio.

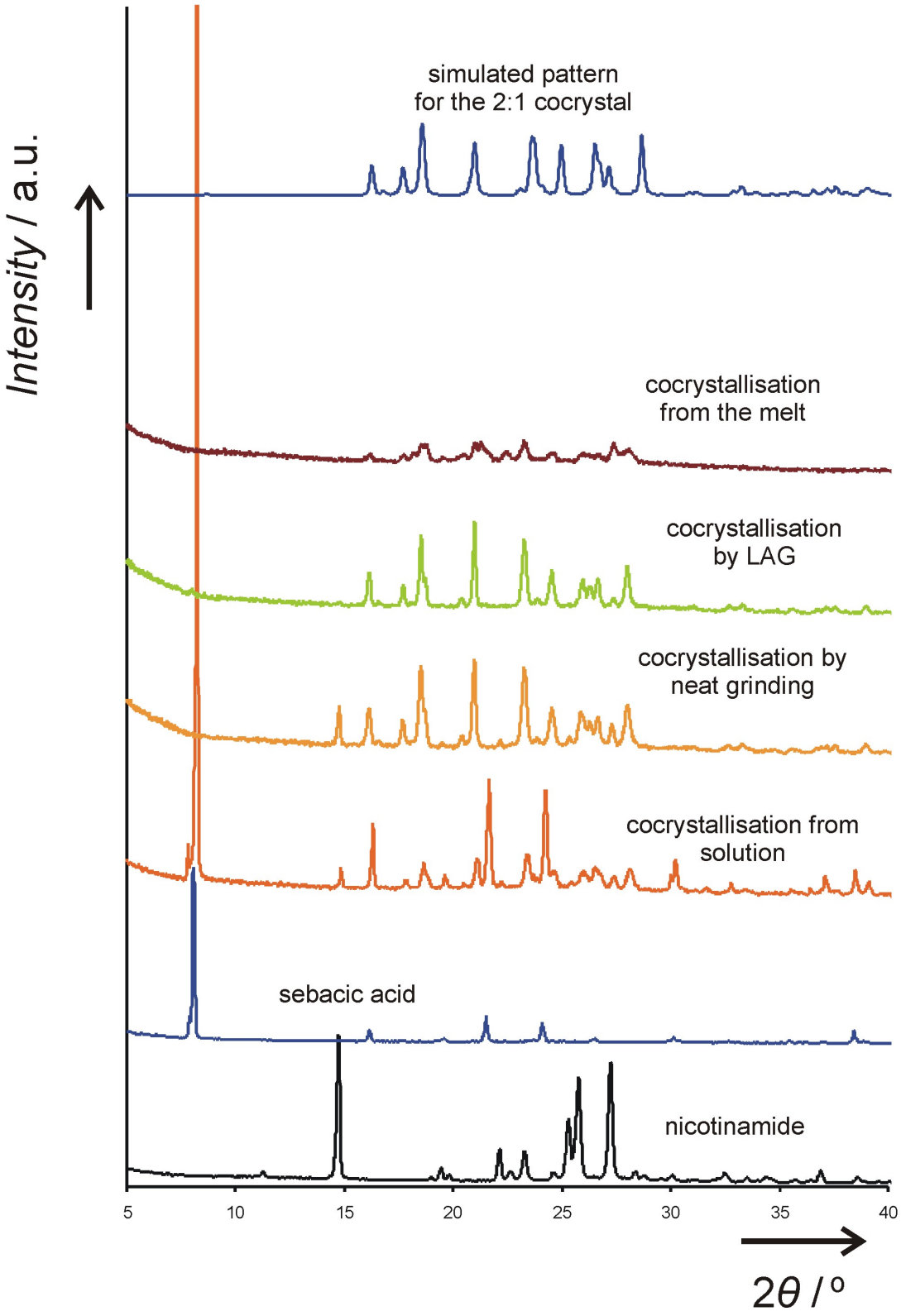

Figure S18. PXRD patterns for screening experiments involving **na** and **seb** in 2:1 stoichiometric ratio.

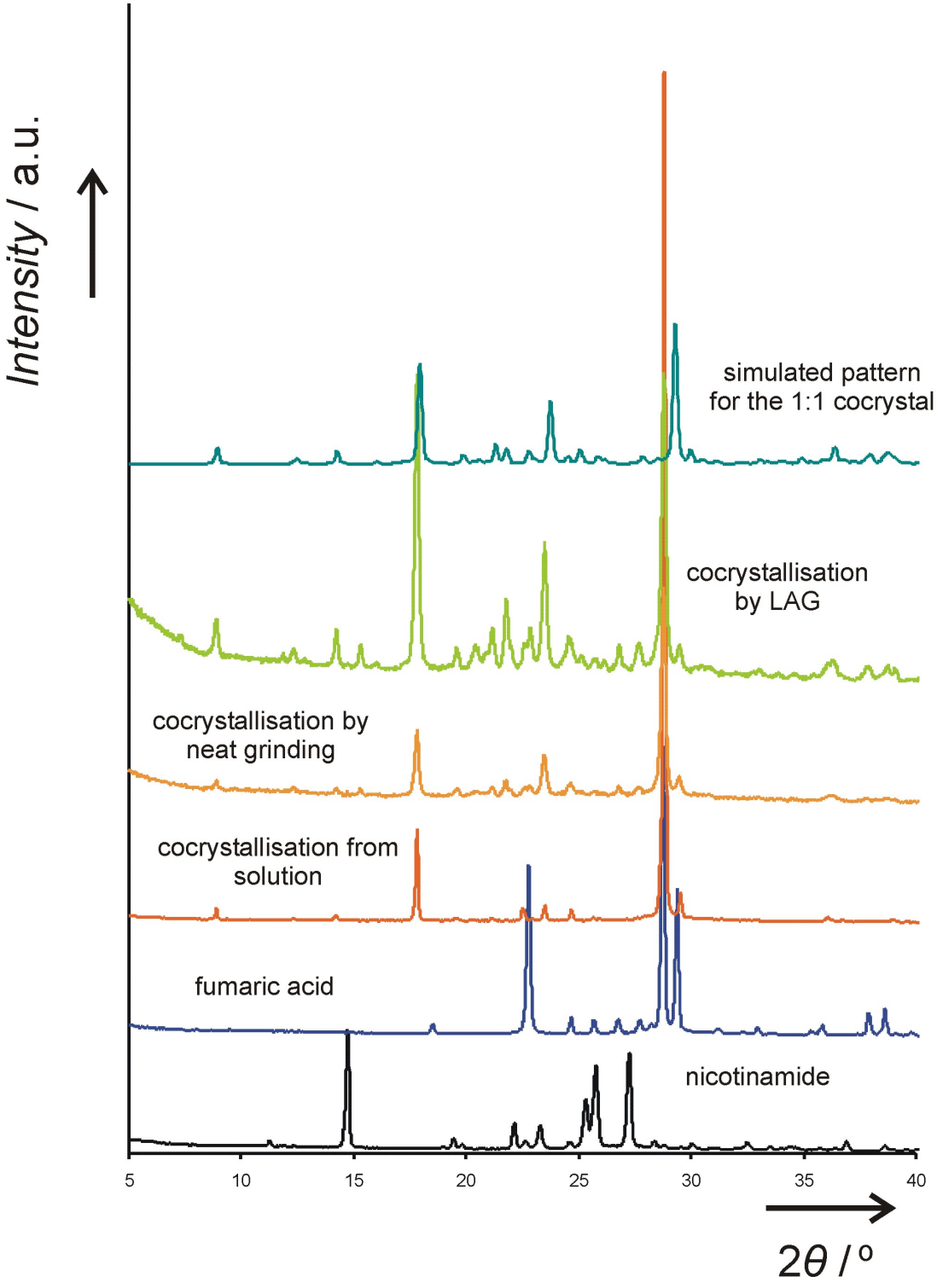

Figure S19. PXRD patterns for screening experiments involving **na** and **fum** in 1:1 stoichiometric ratio.

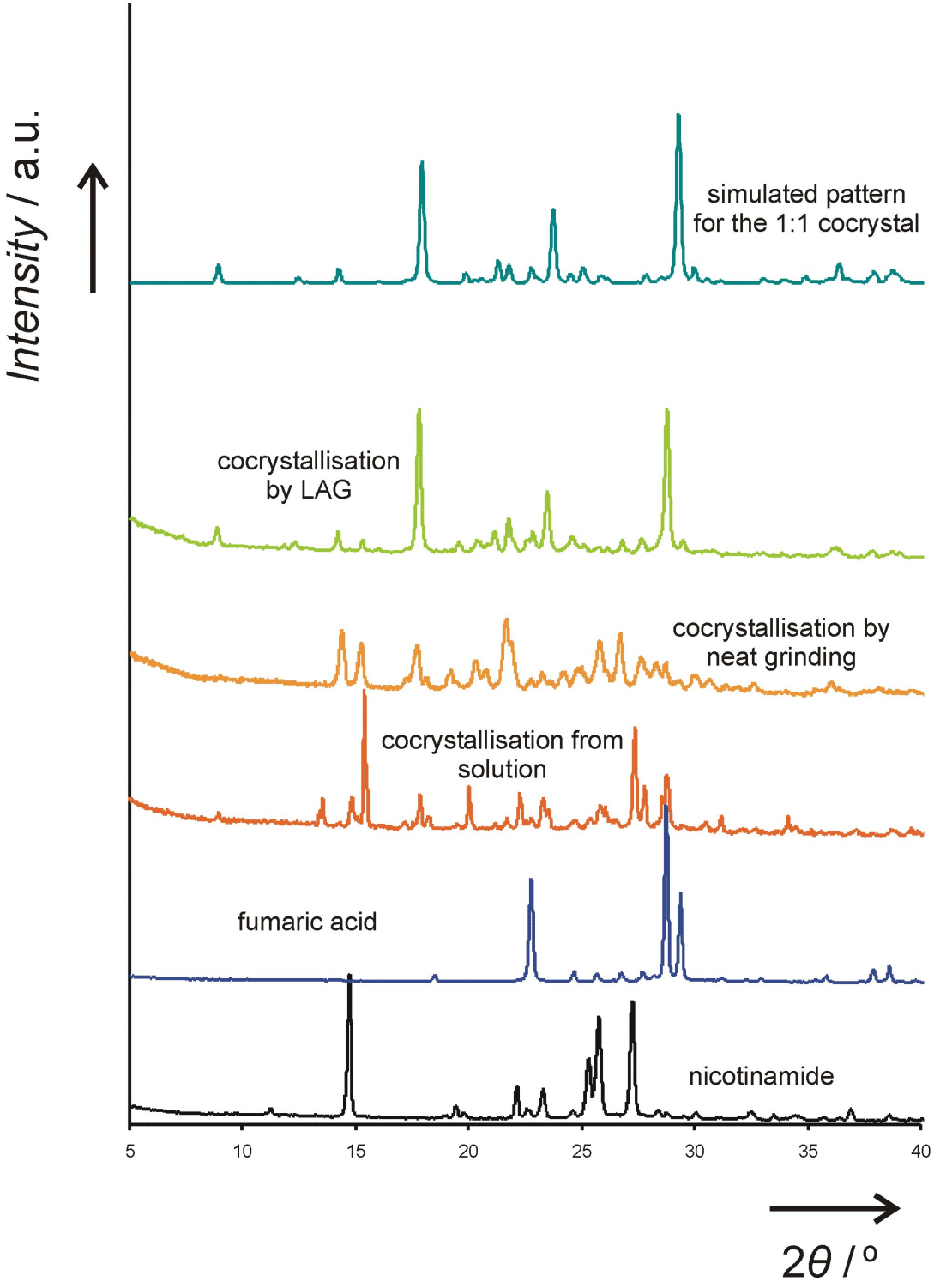

Figure S20. PXRD patterns for screening experiments involving **na** and **fum** in 2:1 stoichiometric ratio.

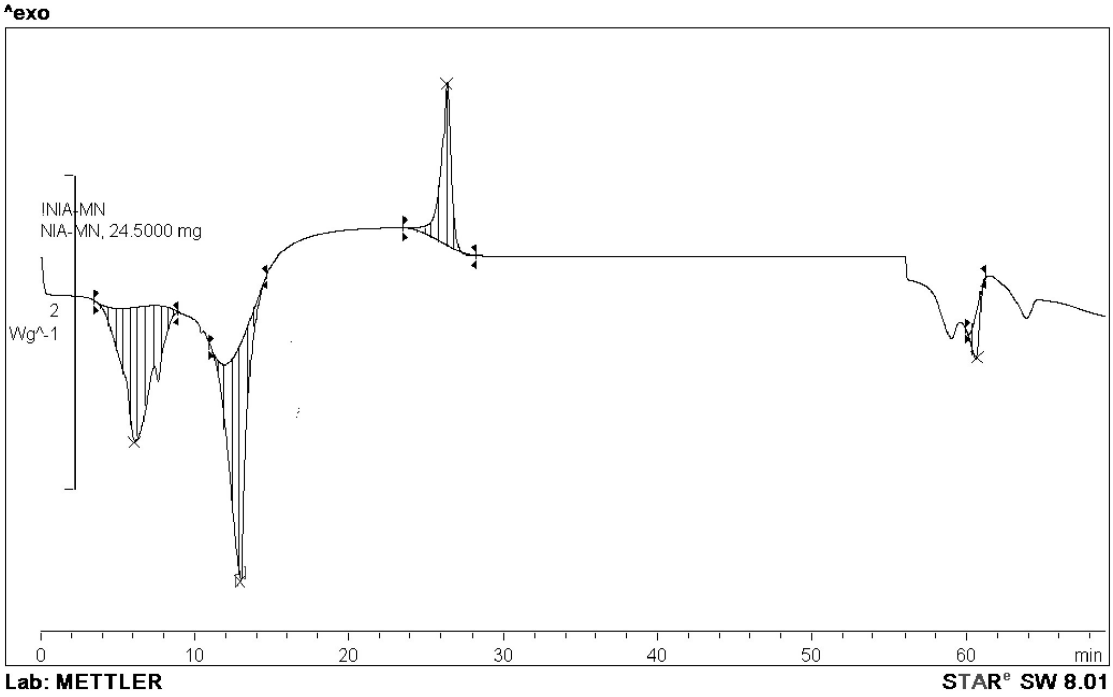

Figure S21. DSC thermogram for the cocrystallisation of **na** and **mal** from the melt in respective stoichiometric ratio 1:1.

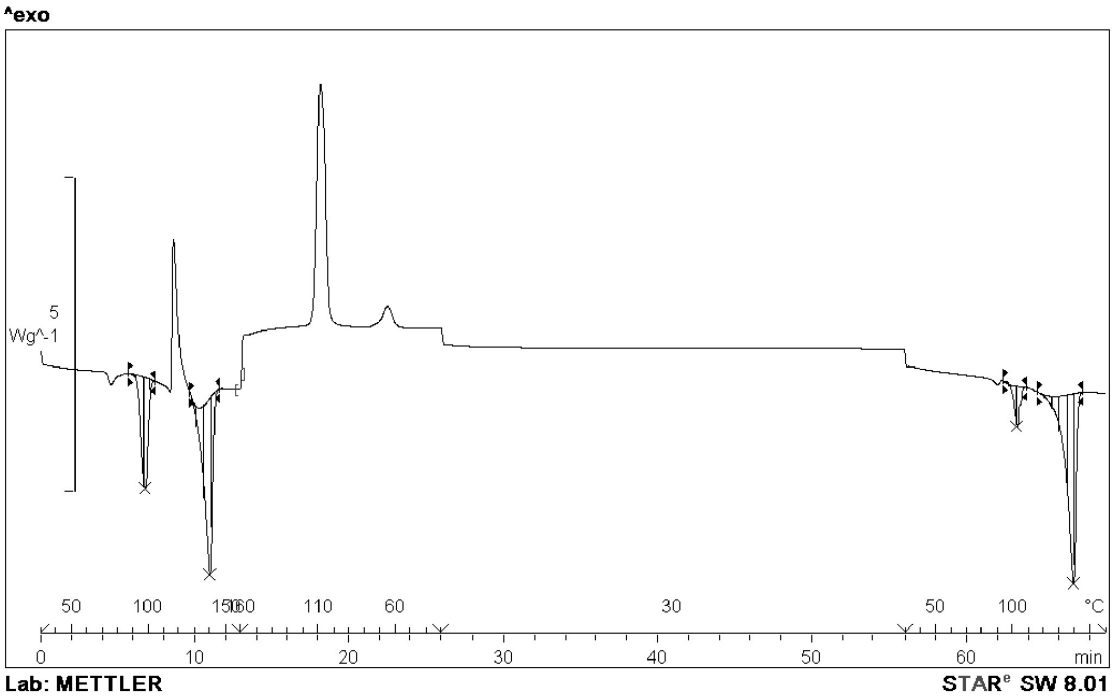

Figure S22. DSC thermogram for the cocrystallisation of **na** and **mal** from the melt in respective stoichiometric ratio 2:1.

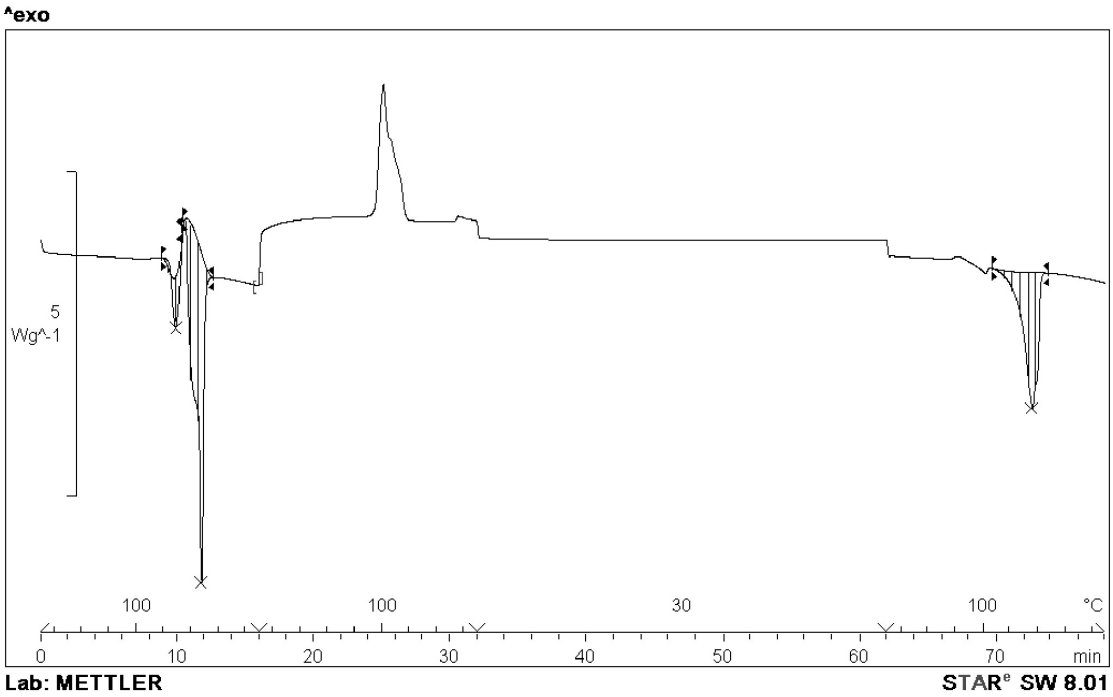

Figure S23. DSC thermogram for the cocrystallisation of **na** and **suc** from the melt in respective stoichiometric ratio 1:1.

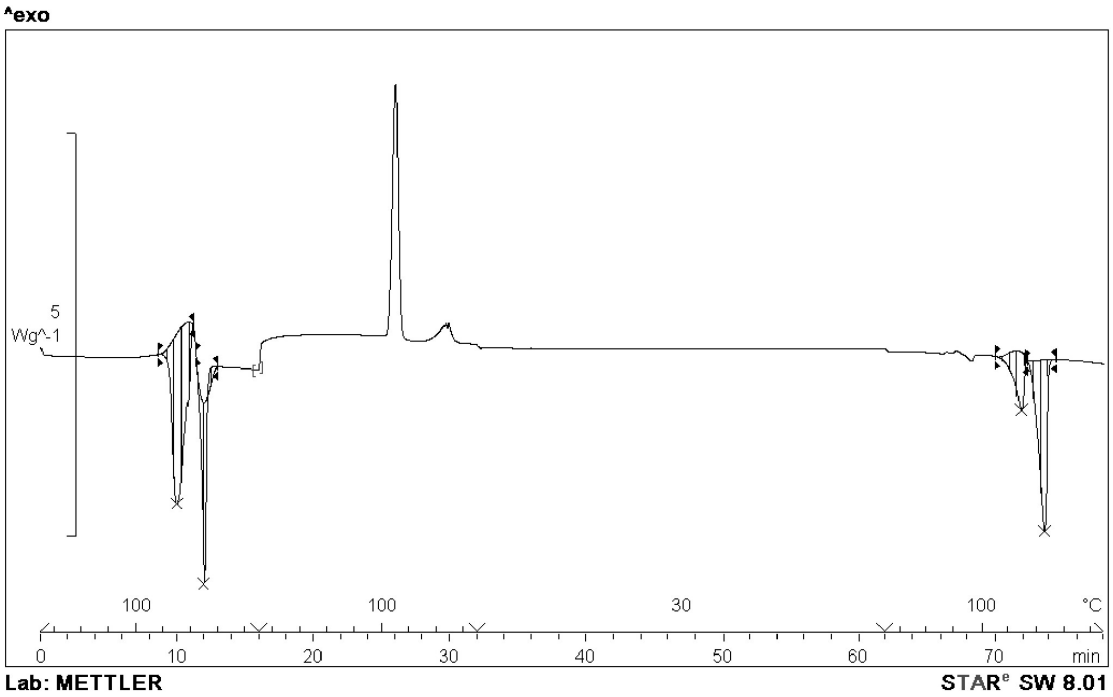

Figure S24. DSC thermogram for the cocrystallisation of **na** and **suc** from the melt in respective stoichiometric ratio 2:1.

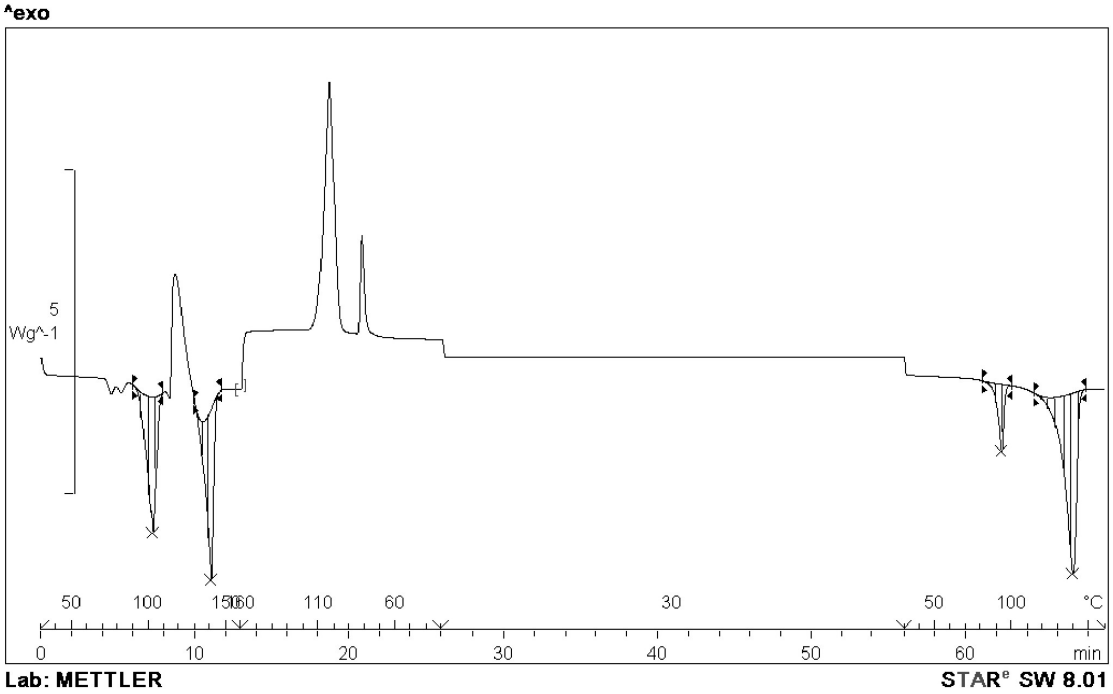

Figure S25. DSC thermogram for the cocrystallisation of **na** and **glu** from the melt in respective stoichiometric ratio 1:1.

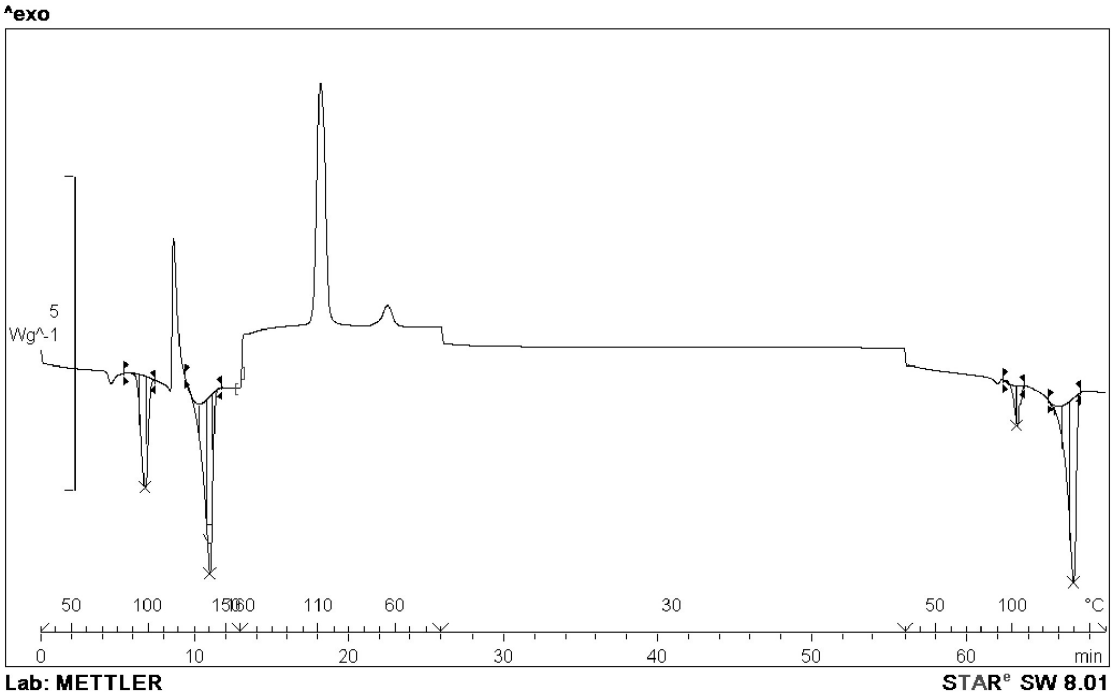

Figure 26. DSC thermogram for the cocrystallisation of **na** and **glu** from the melt in respective stoichiometric ratio 2:1.

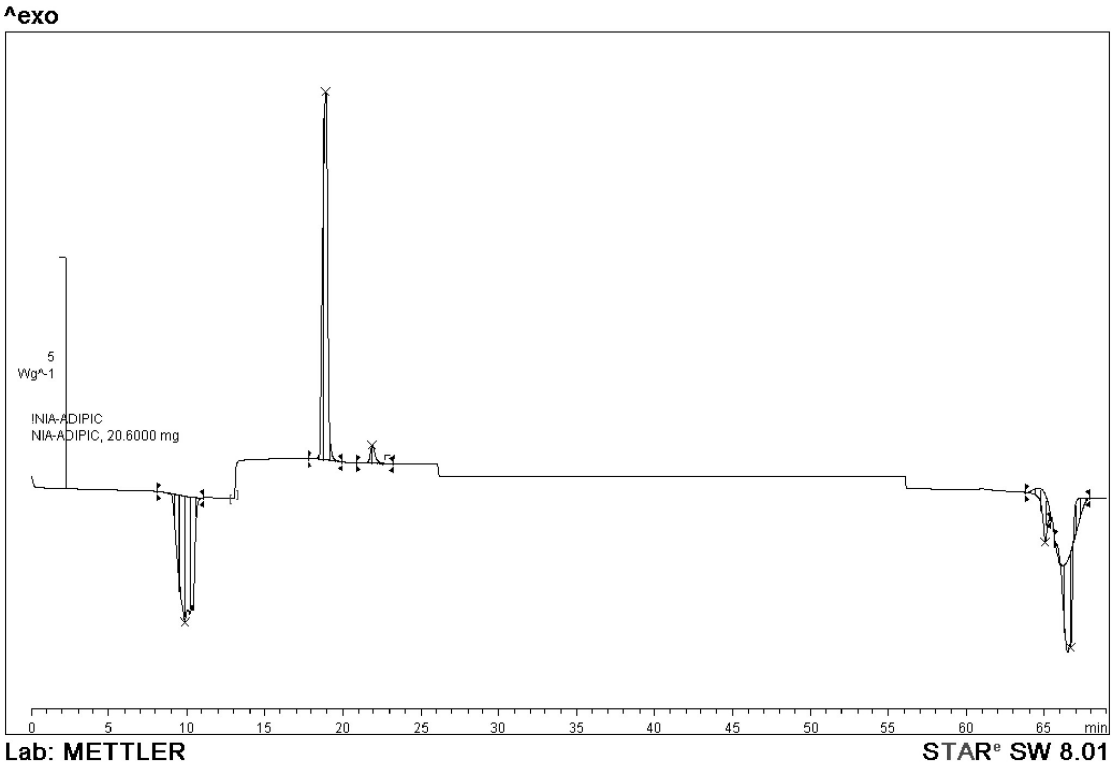

Figure S27. DSC thermogram for the cocrystallisation of **na** and **adi** from the melt in respective stoichiometric ratio 1:1.

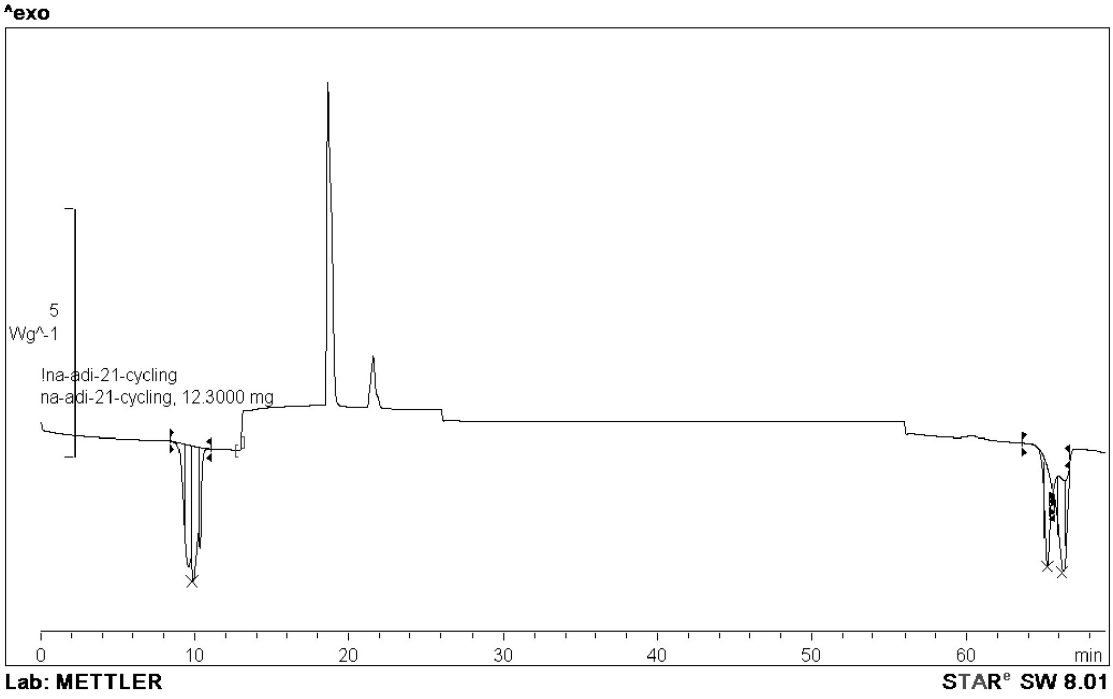

Figure S28. DSC thermogram for the cocrystallisation of **na** and **adi** from the melt in respective stoichiometric ratio 2:1.

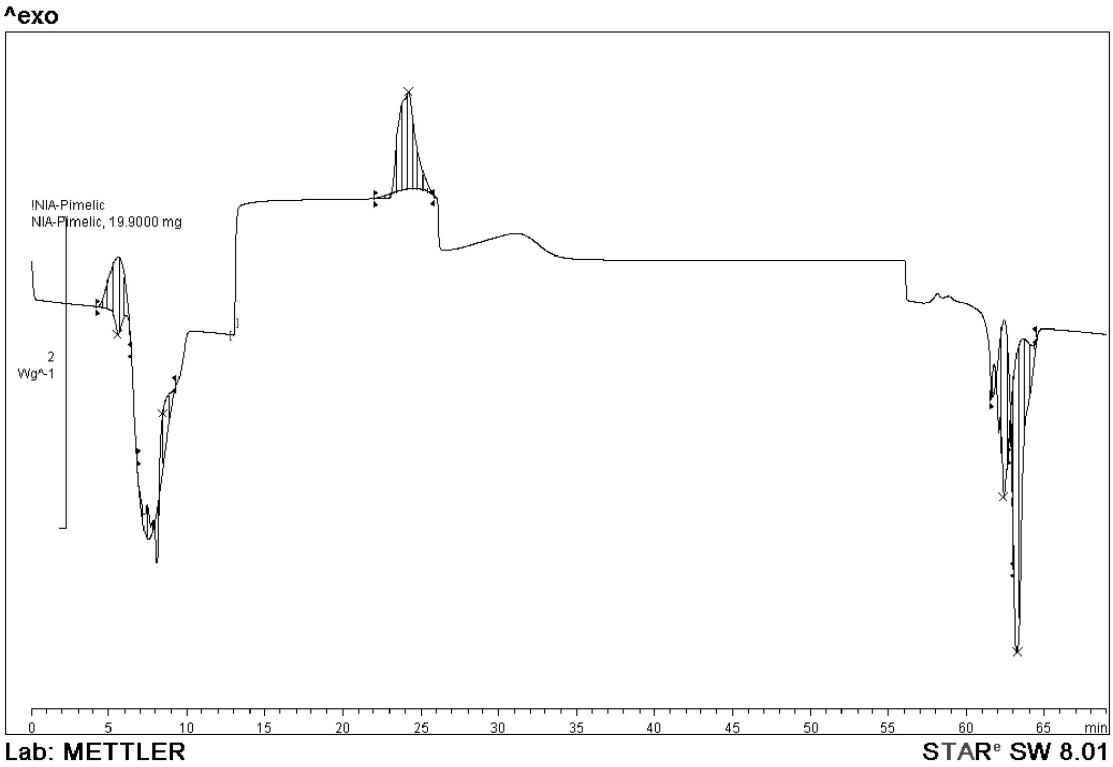

Figure S29. DSC thermogram for the cocrystallisation of **na** and **pim** from the melt in respective stoichiometric ratio 1:1.

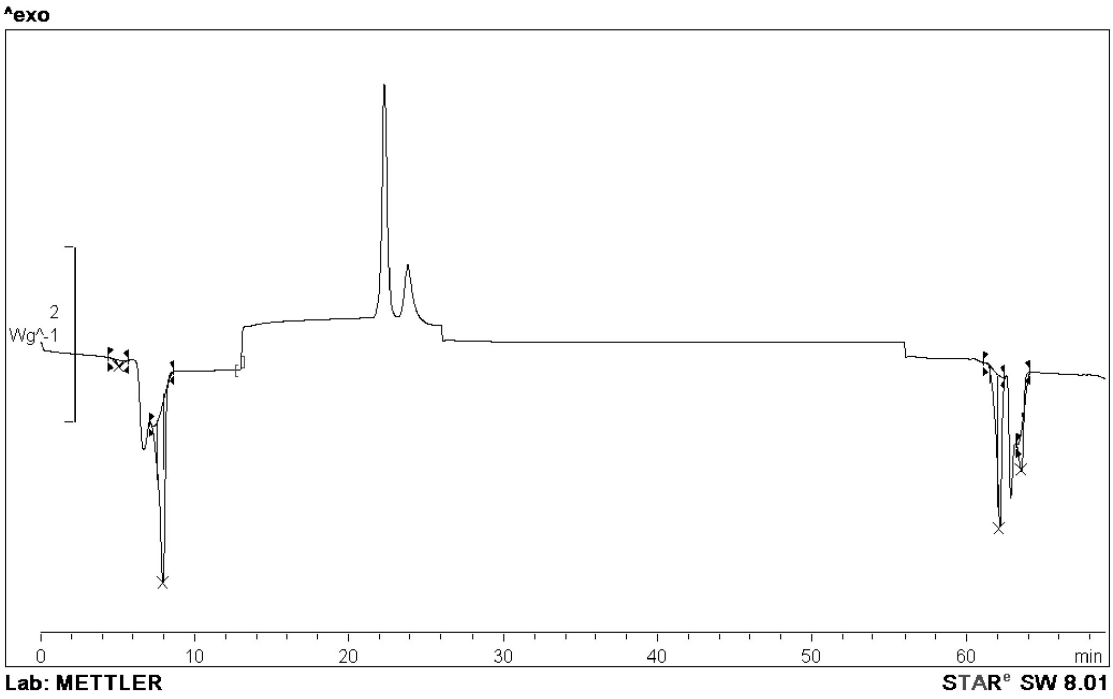

Figure S30. DSC thermogram for the cocrystallisation of **na** and **pim** from the melt in respective stoichiometric ratio 2:1.

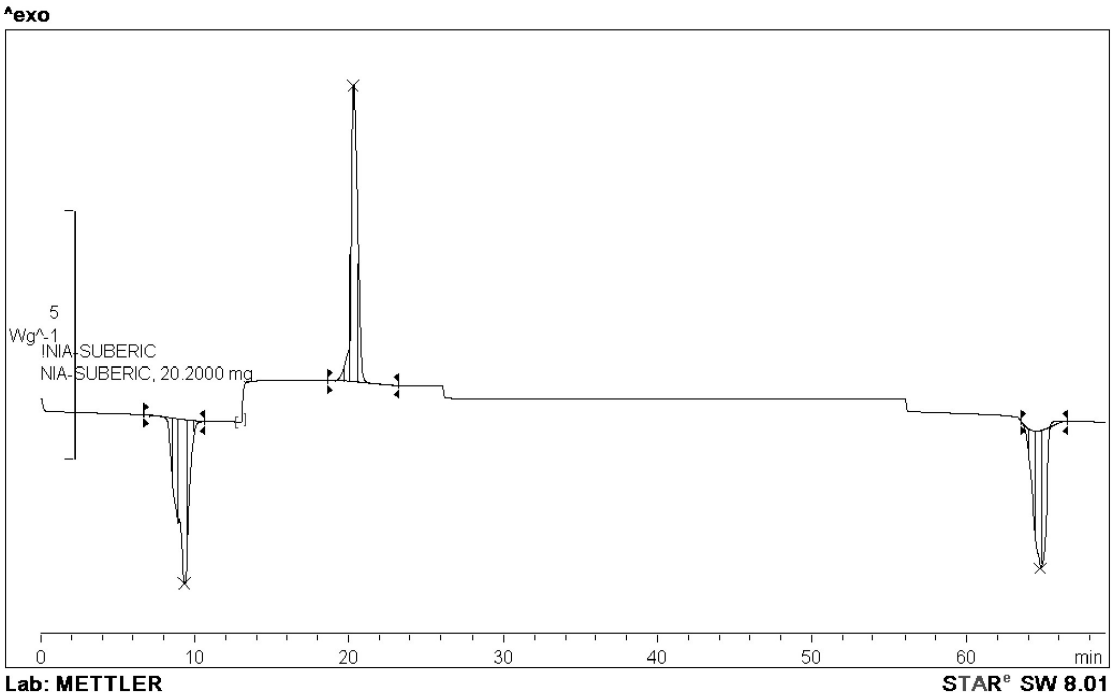

Figure S31. DSC thermogram for the cocrystallisation of **na** and **sub** from the melt in respective stoichiometric ratio 1:1.

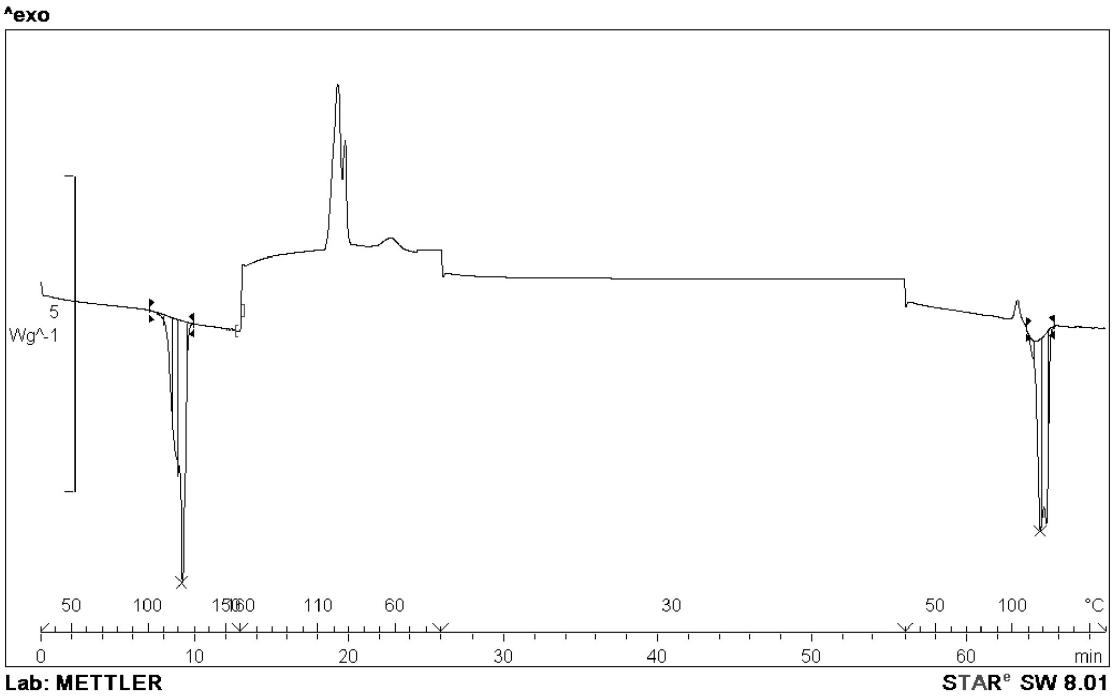

Figure S32. DSC thermogram for the cocrystallisation of **na** and **sub** from the melt in respective stoichiometric ratio 2:1.

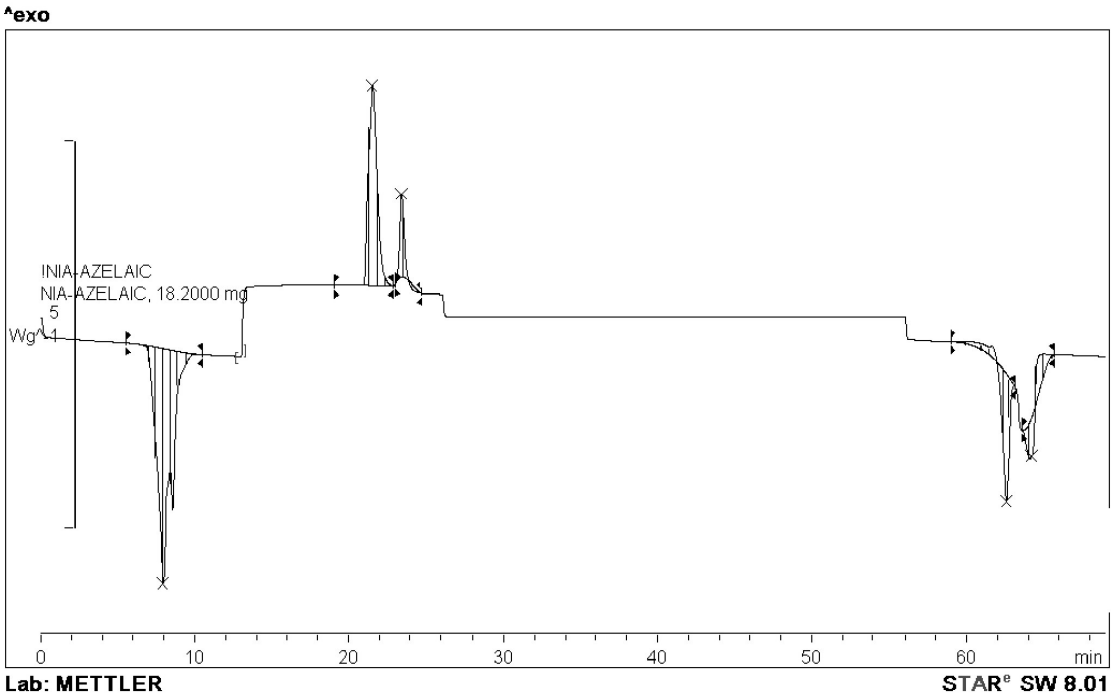

Figure S33. DSC thermogram for the cocrystallisation of **na** and **aze** from the melt in respective stoichiometric ratio 1:1.

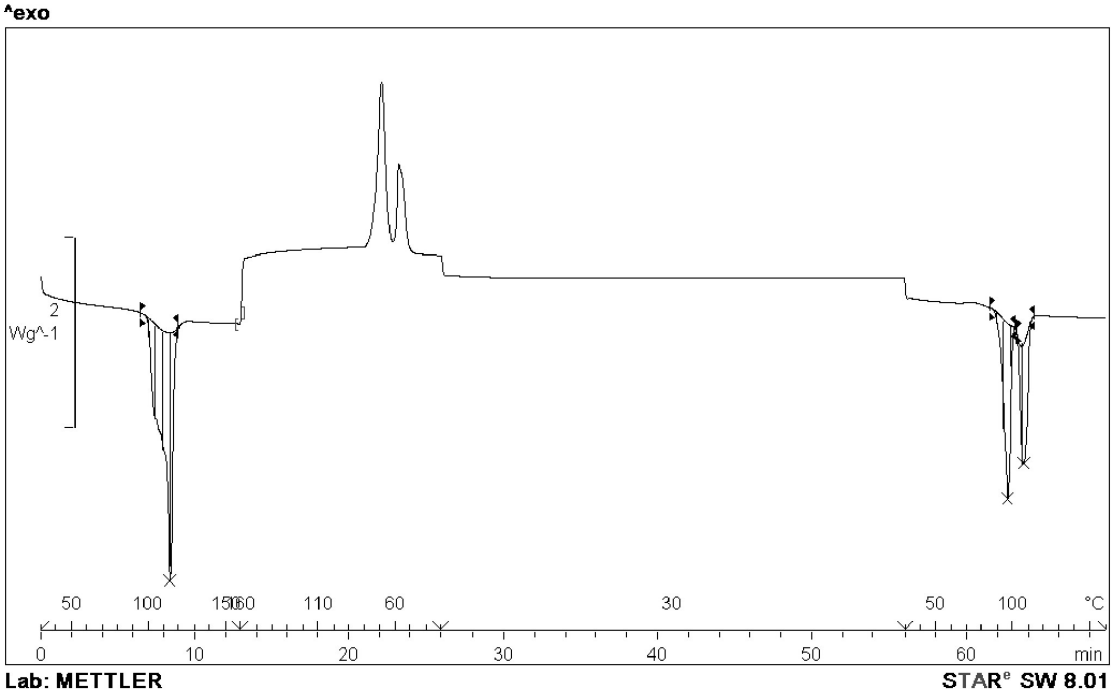

Figure S34. DSC thermogram for the cocrystallisation of **na** and **aze** from the melt in respective stoichiometric ratio 2:1.

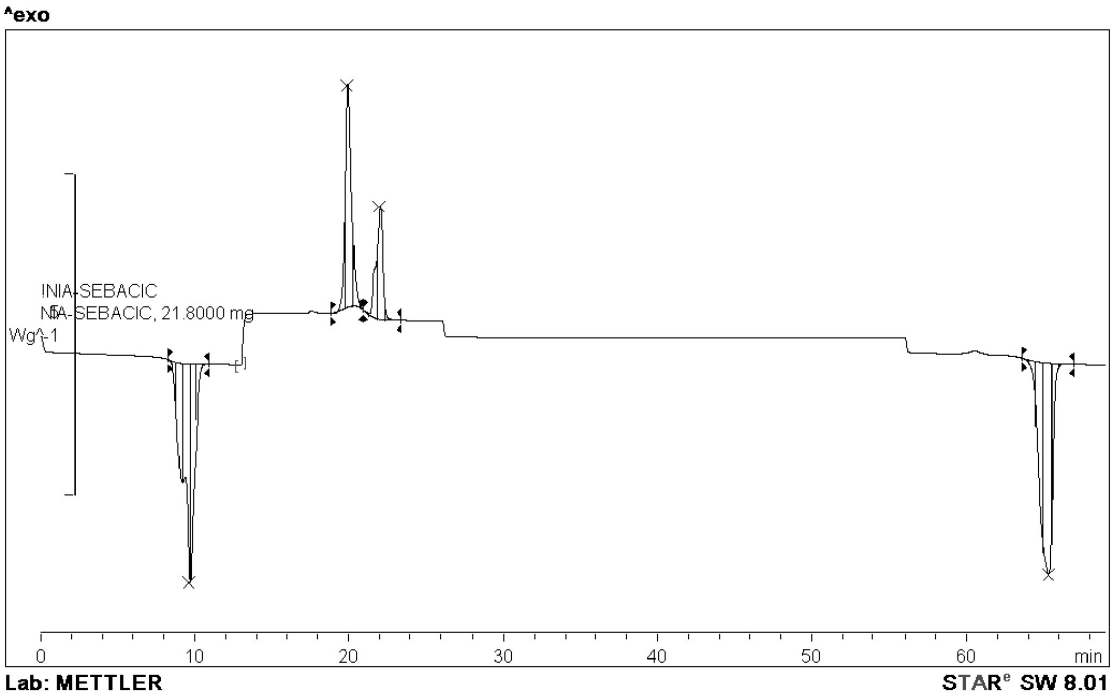

Figure S35. DSC thermogram for the cocrystallisation of **na** and **seb** from the melt in respective stoichiometric ratio 1:1.

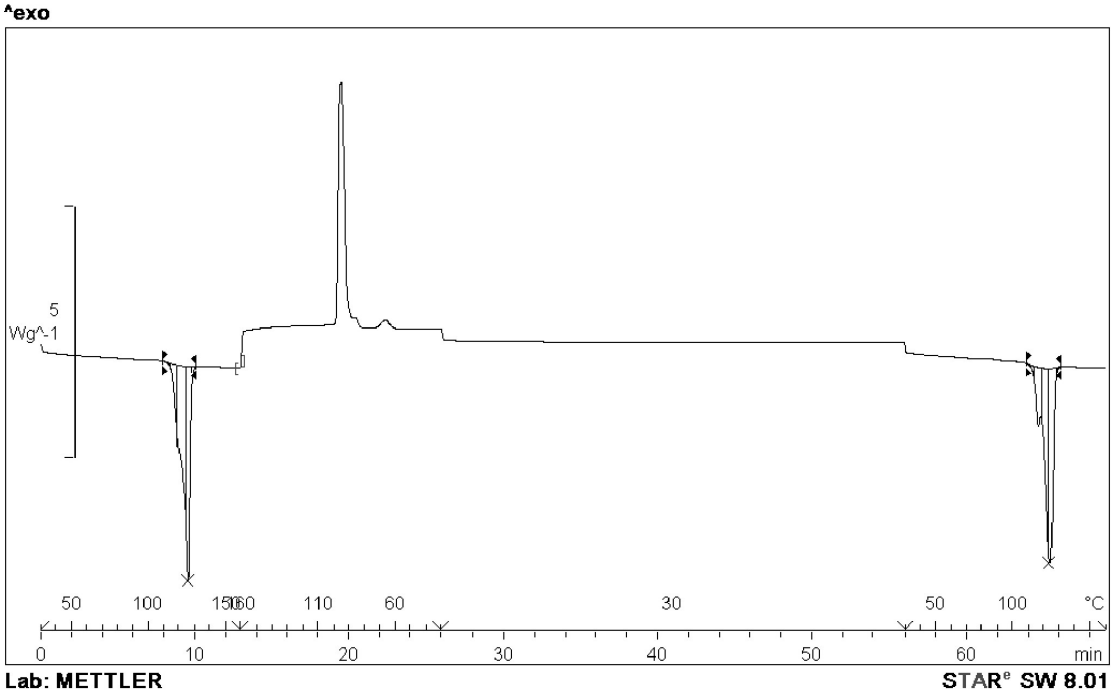

Figure S36. DSC thermogram for the cocrystallisation of **na** and **seb** from the melt in respective stoichiometric ratio 2:1.