

Figure S1: X-ray diffraction pattern of 1:1 w/w mixture of Form 1 and Form 2.

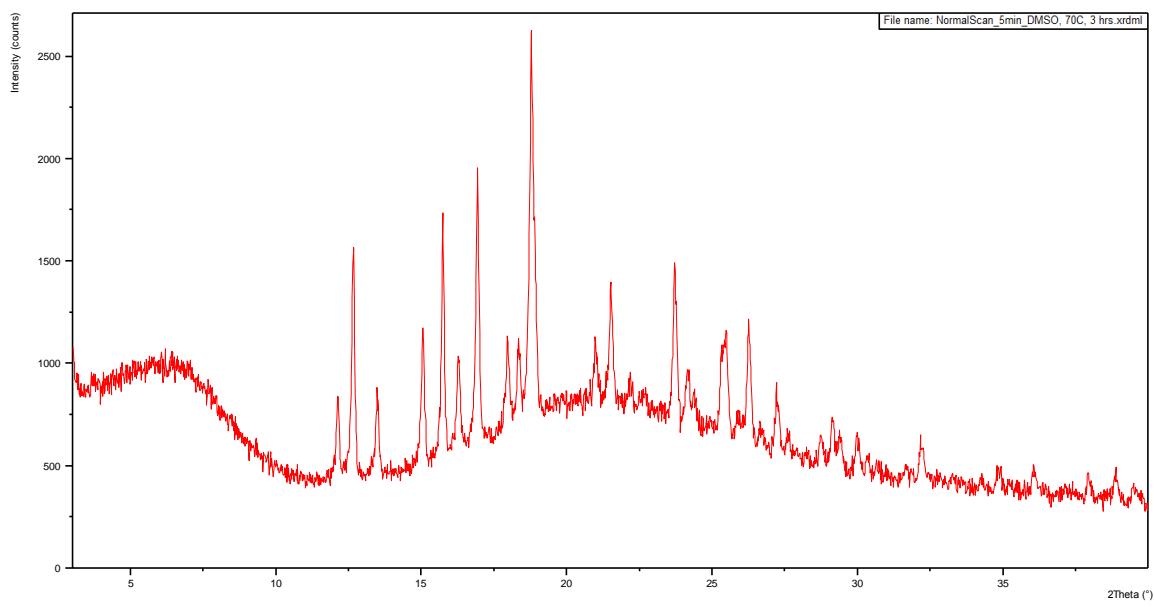


Figure S2: X-ray diffraction pattern of the 1:1 mixture of Form 1 and Form 2 after 3 hours stirring at 70 °C.

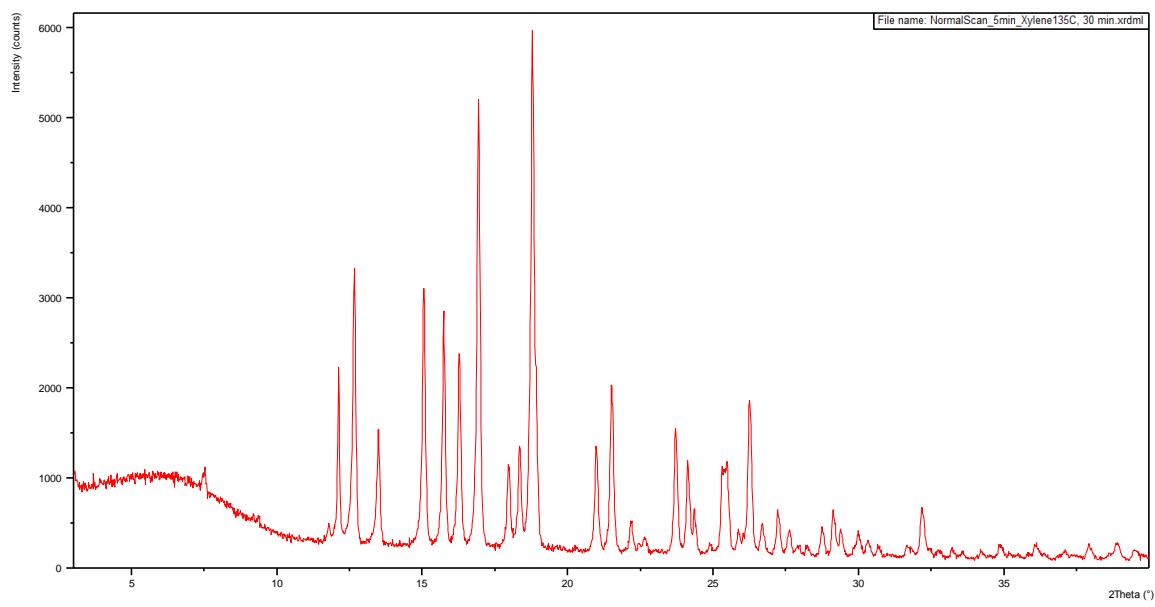


Figure S3. X-ray diffraction pattern of the 1:1 mixture of Form 1 and Form 2 after 30 minutes stirring at 135 °C.

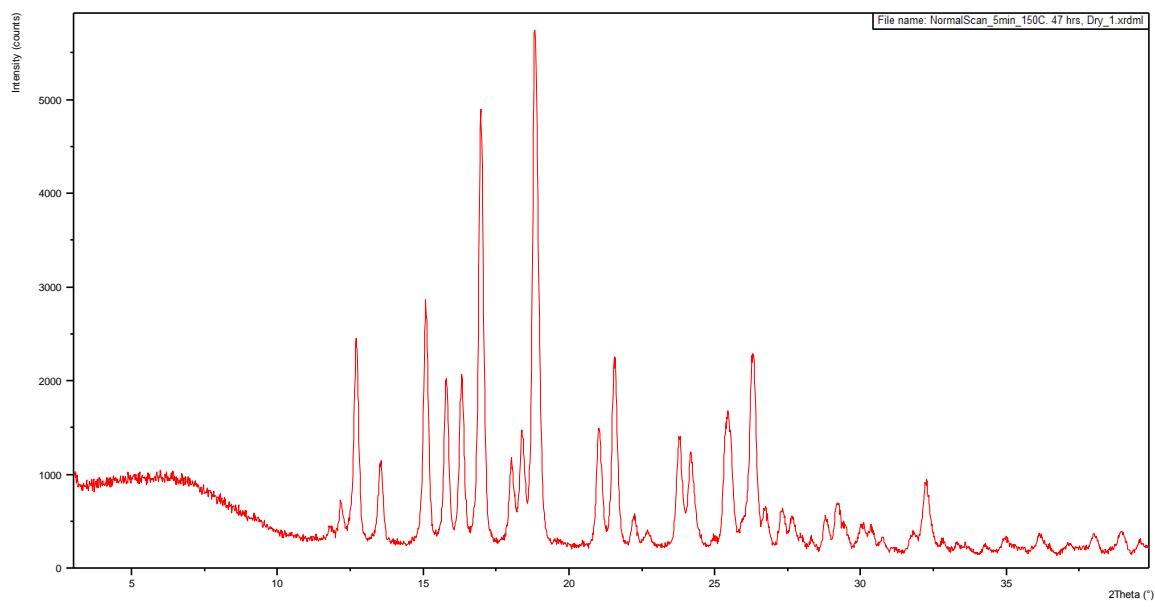


Figure S4. X-ray diffraction pattern of the 1:1 mixture of Form 1 and Form 2 after 47 hours stirring at 150 °C.

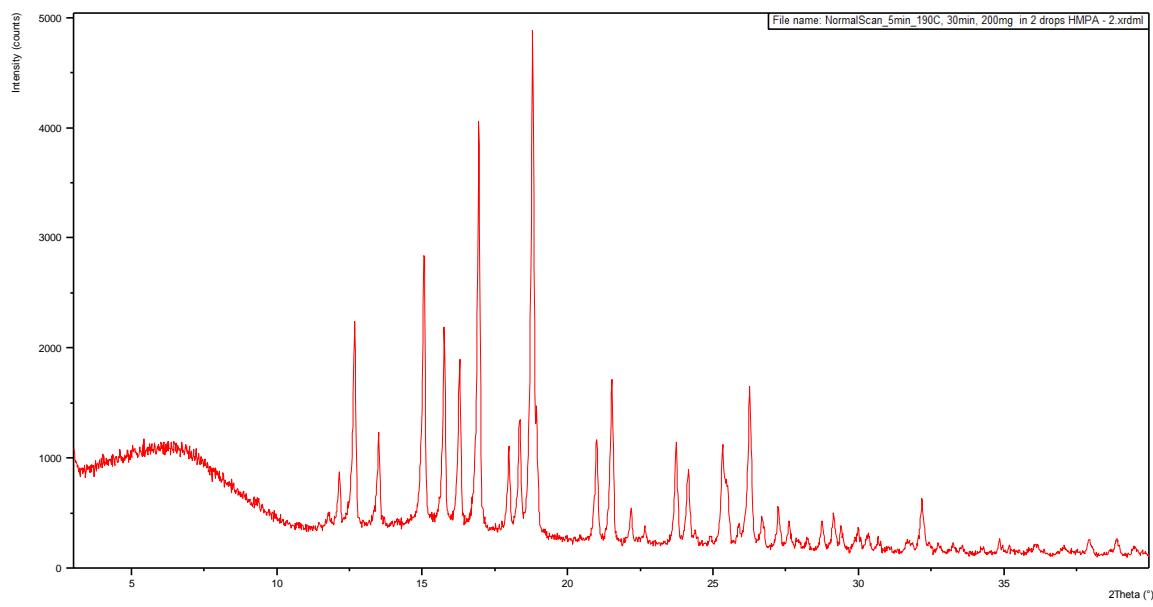


Figure S5. X-ray diffraction pattern of the 1:1 mixture of Form 1 and Form 2 after 30 minutes stirring at 190 °C.

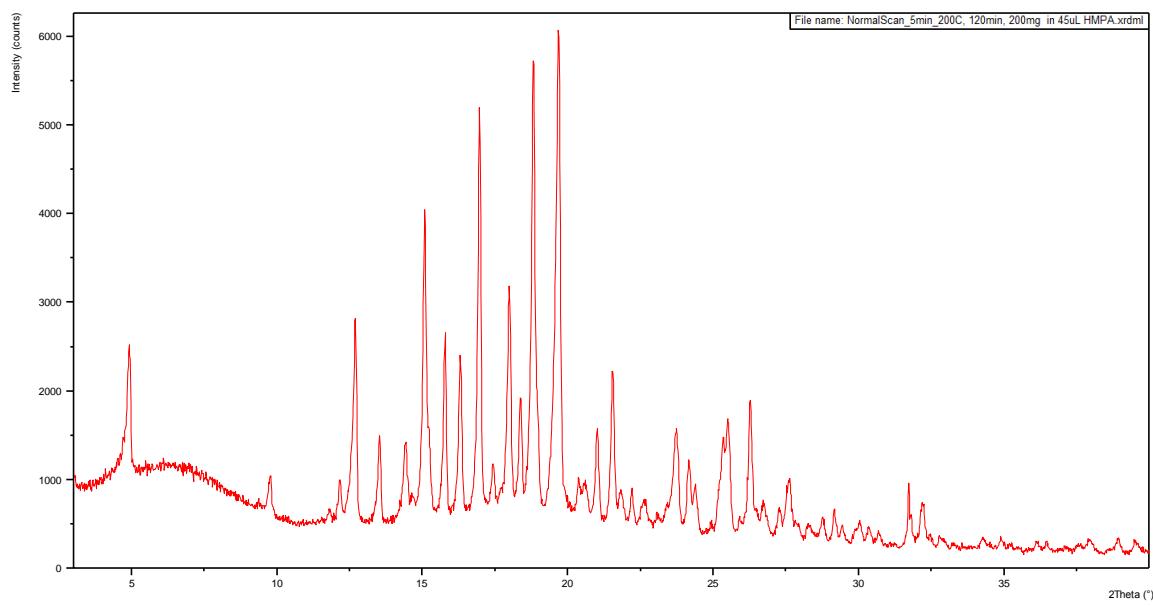


Figure S6. X-ray diffraction pattern of the 1:1 mixture of Form 1 and Form 2 after 2 hours stirring at 200 °C.

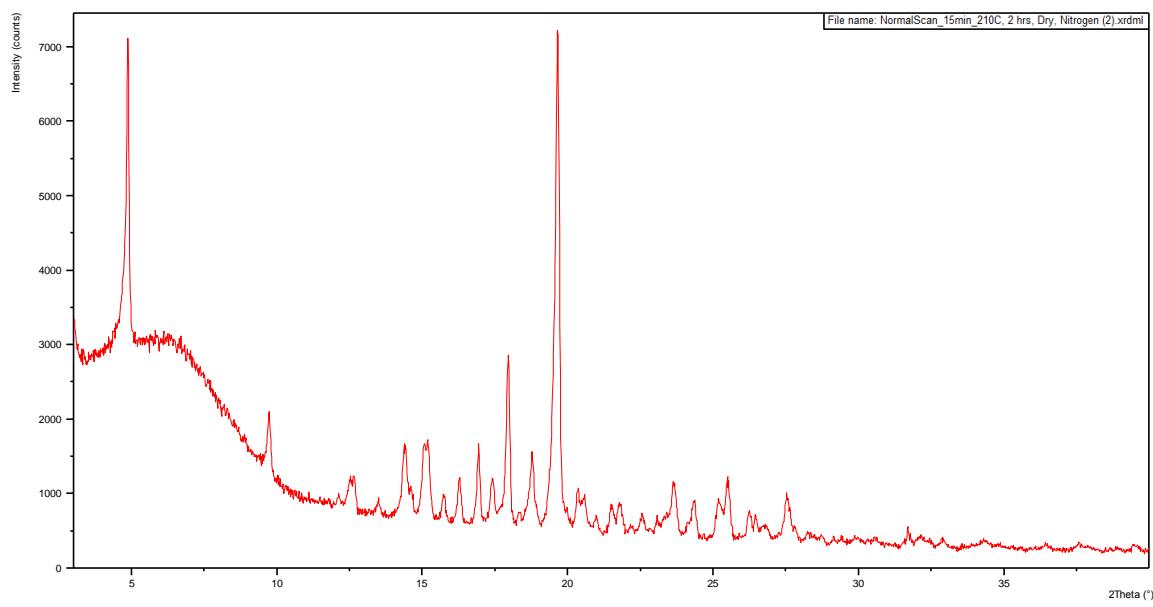


Figure S7. X-ray diffraction pattern of the 1:1 mixture of Form 1 and Form 2 after 30 minutes stirring at 210 °C.

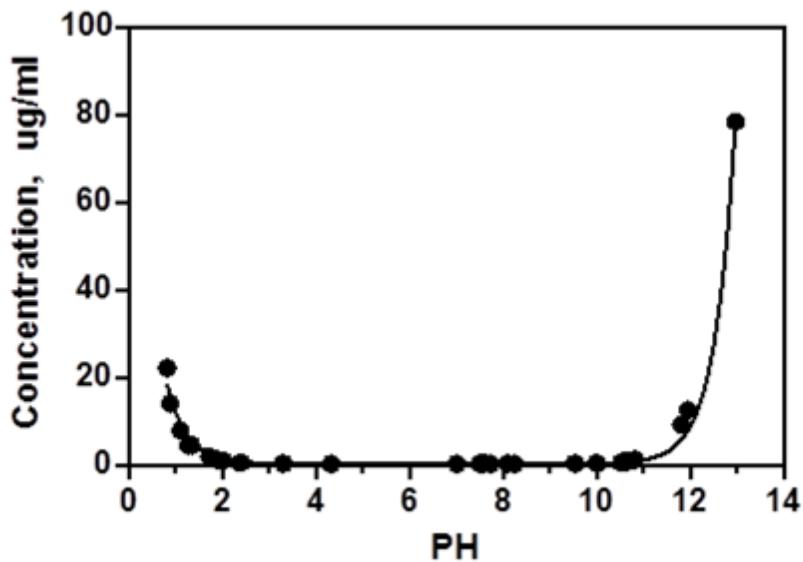


Figure S8. pH dependent solubility of compound 1

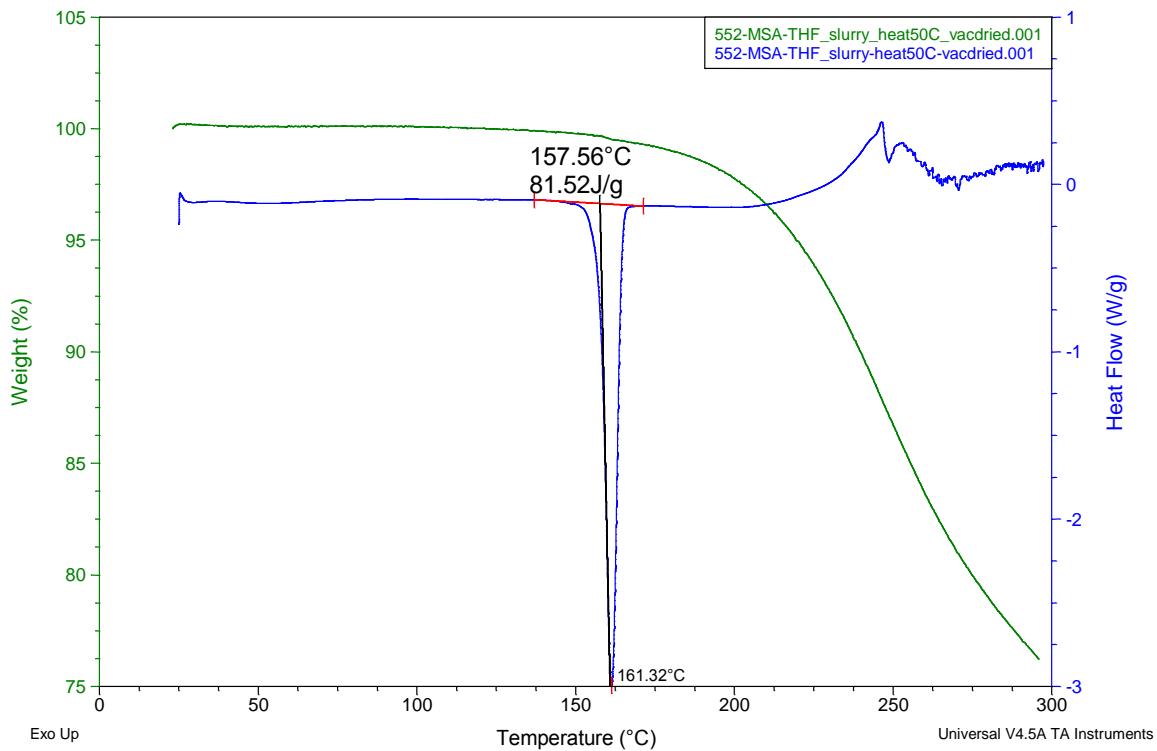


Figure S9. TGA (green) and DSC (blue) traces of **1** mesylate salt

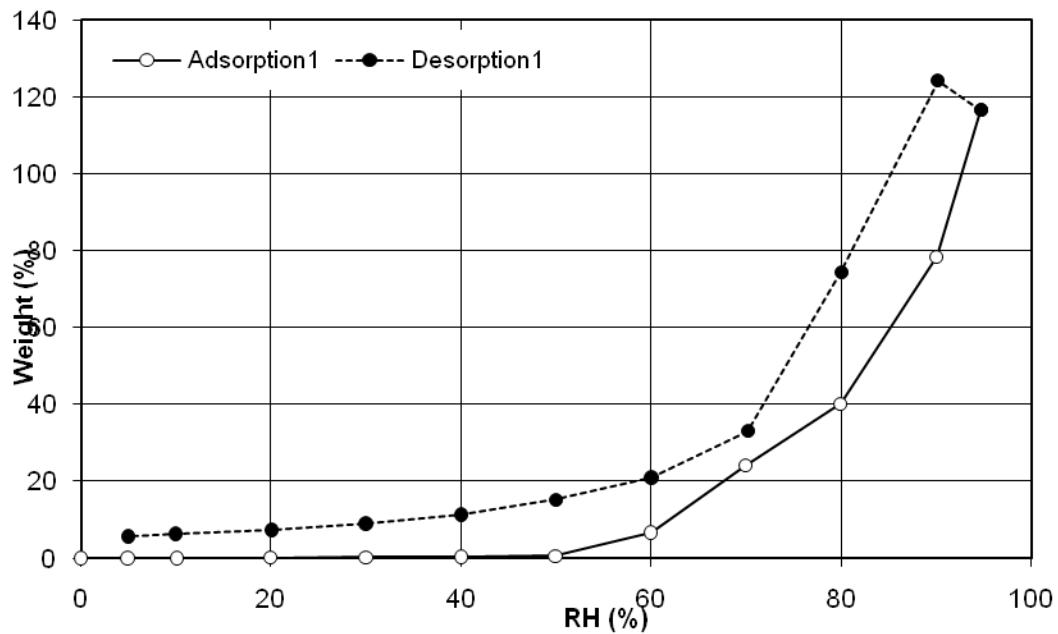


Figure S10. Moisture sorption isotherm of **1** mesylate salt

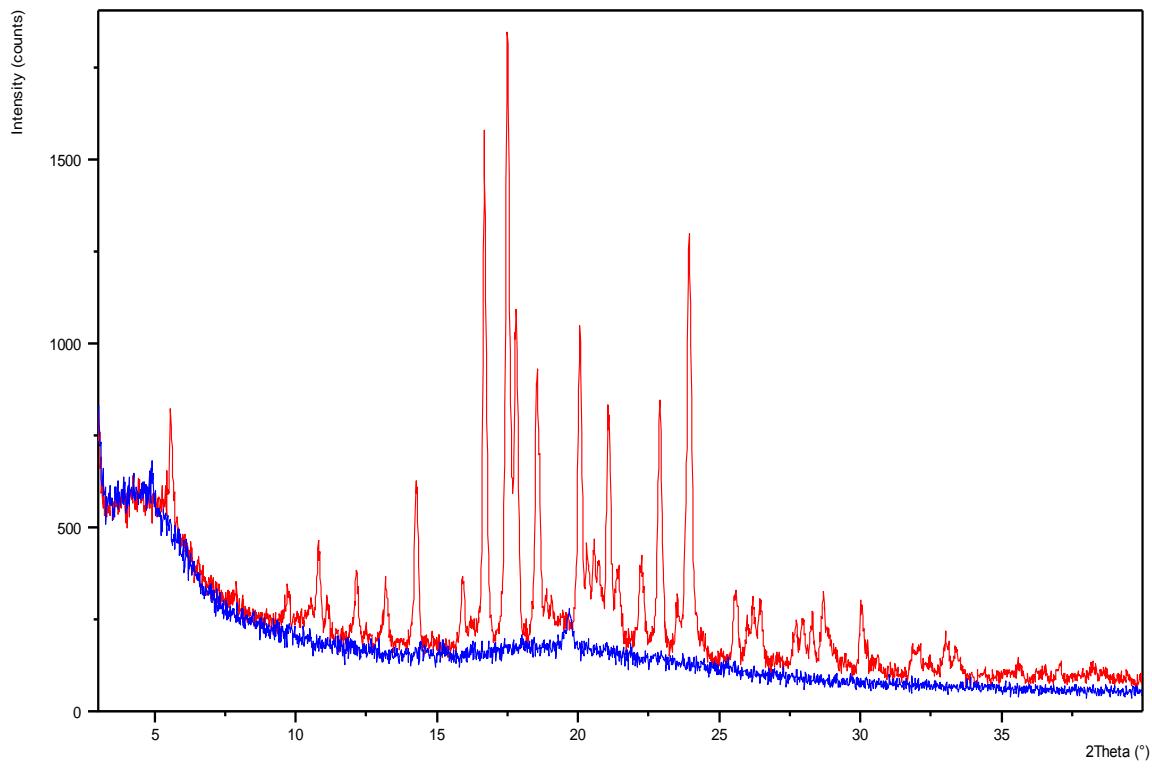


Figure S11: XPD patterns of **1** methanesulfonic acid salt pre (red) and post (blue) moisture sorption study, showing the material turning into amorphous after moisture sorption.

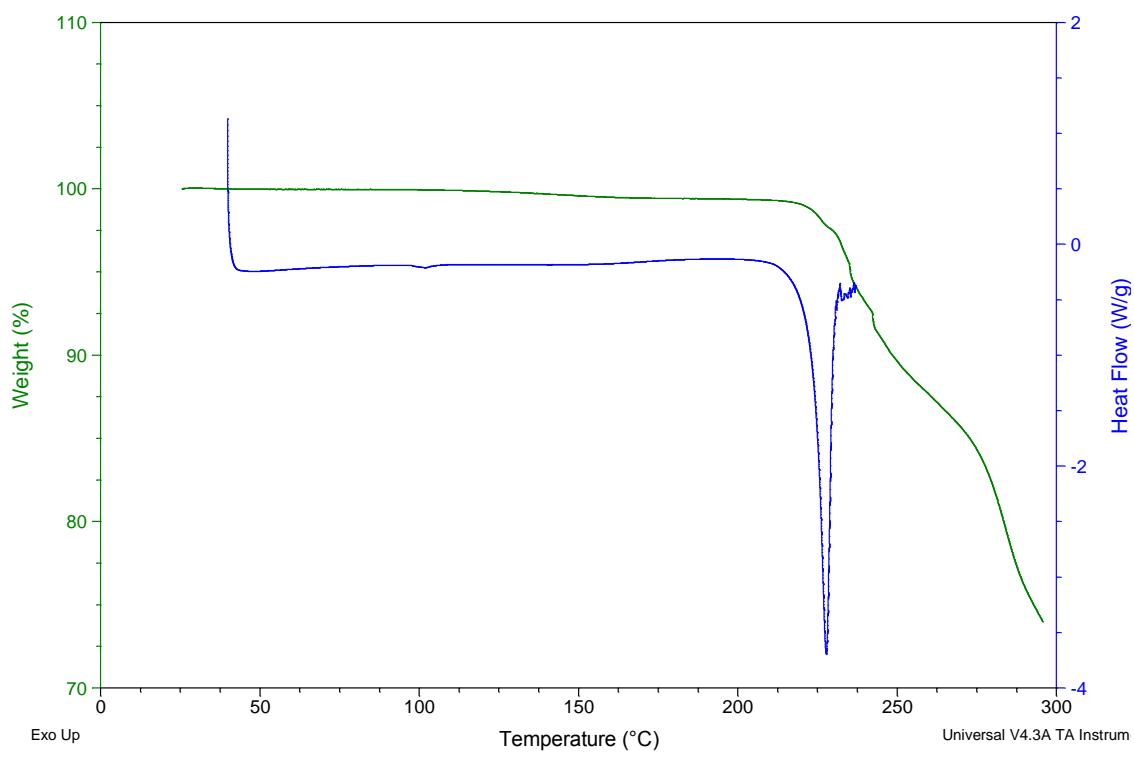


Figure S12: TGA (green) and DSC (blue) traces of **1** mono sulfate salt showing melting/decomposition at about 223 °C for the sulfate salt.

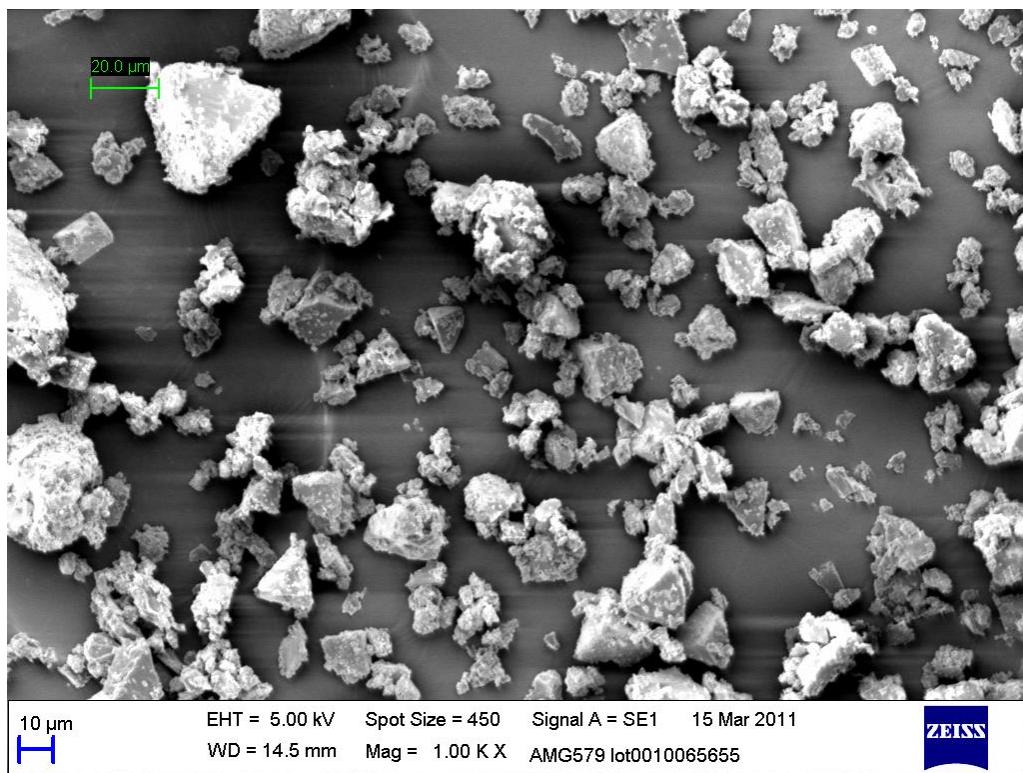


Figure S13: SEM image of **1** Form 2

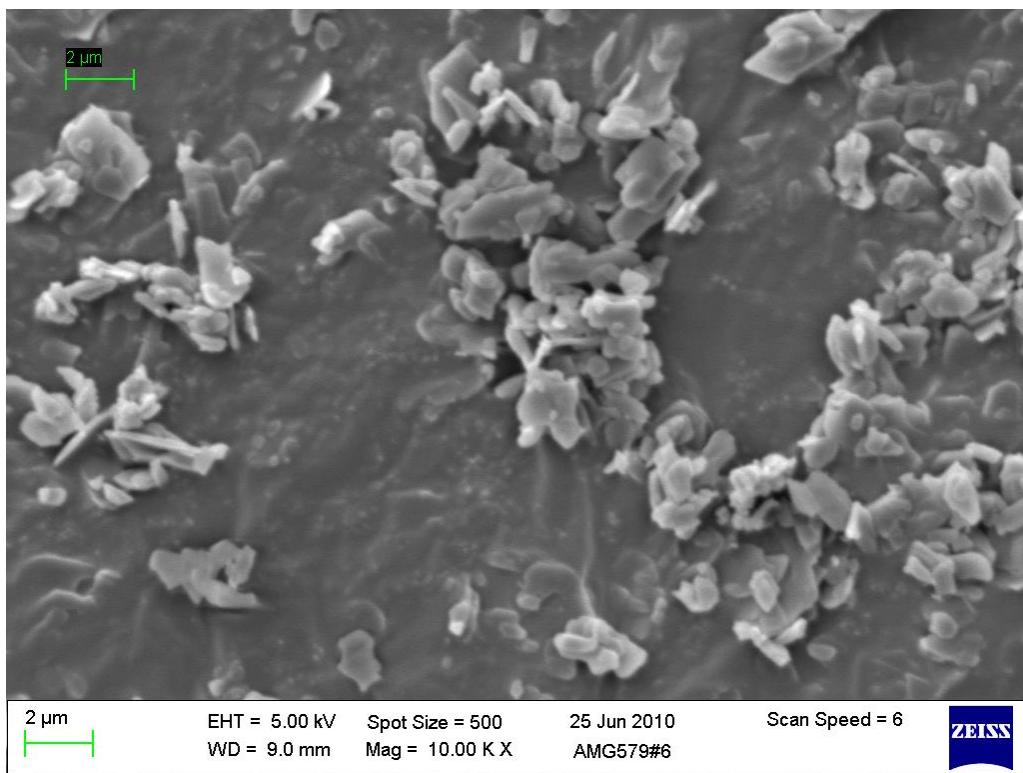


Figure S14: SEM image of **1** Form 1

Table S1. Parameters and results of fitting pH dependent solubility using the equation:

$$Y=0.34*(1+(10^{(-X)})/(10^{(-pKa1)})+(10^{(-pKa2)})/(10^{(-X)})))$$

Solubility pKa	
Best-fit values	
pKa1	2.54
pKa2	10.60
Std. Error	
pKa1	0.02521
pKa2	0.008627
95% Confidence Intervals	
pKa1	2.490 to 2.594
pKa2	10.58 to 10.61
Goodness of Fit	
Degrees of Freedom	26
R square	0.9896
Absolute Sum of Squares	64.35
Sy.x	1.573
Constraints	
pKa1	$pKa1 > 0.0$
pKa2	$pKa2 > 0.0$
Number of points	
Analyzed	28