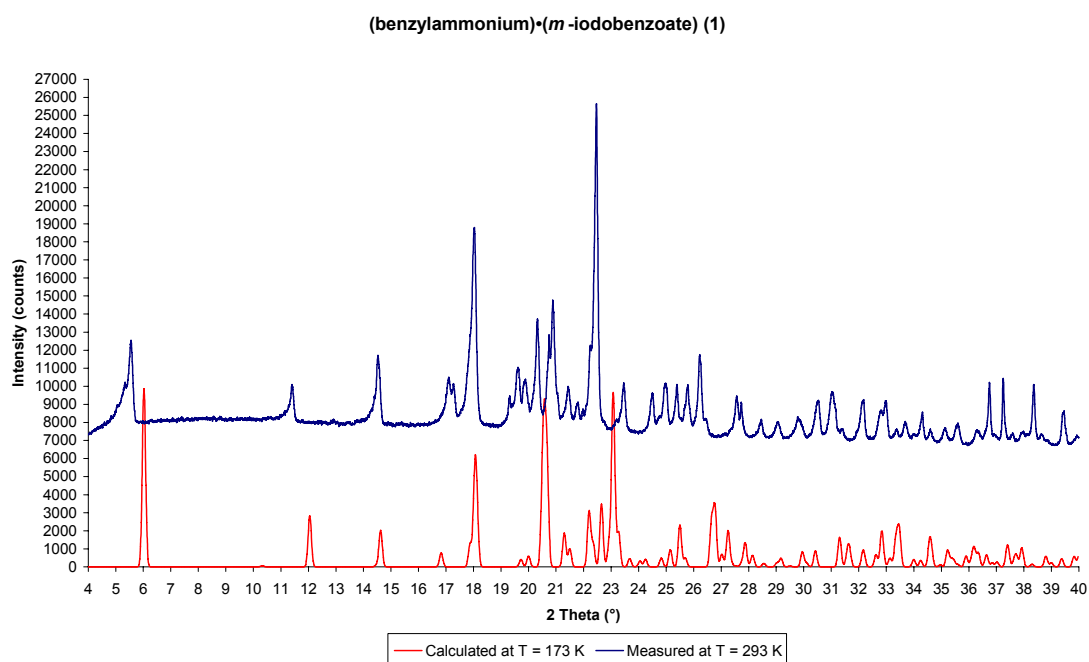


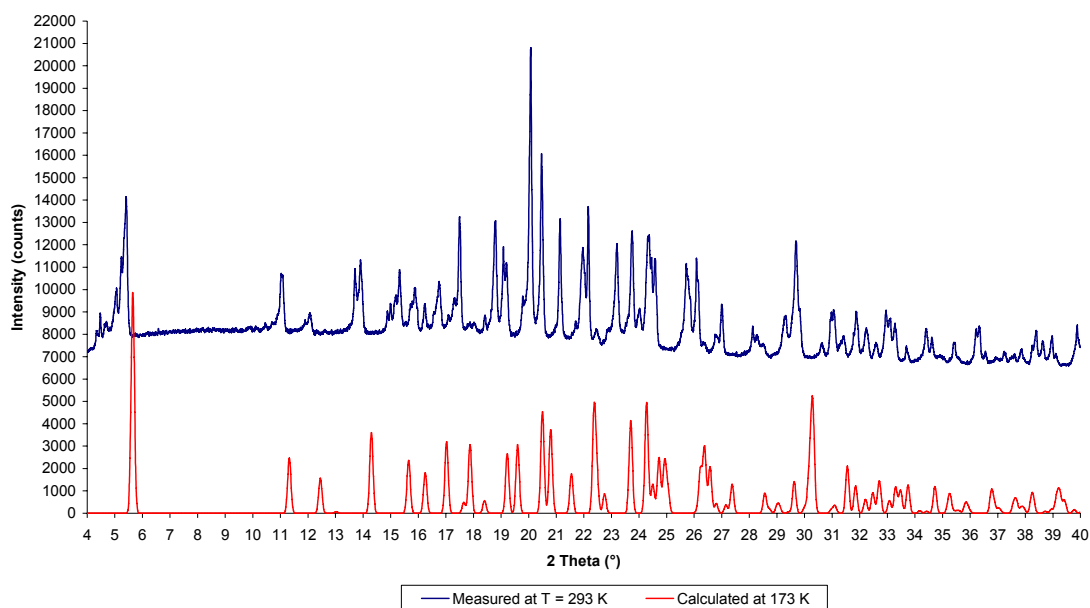
Supplementary Information

X-ray Powder Diffraction

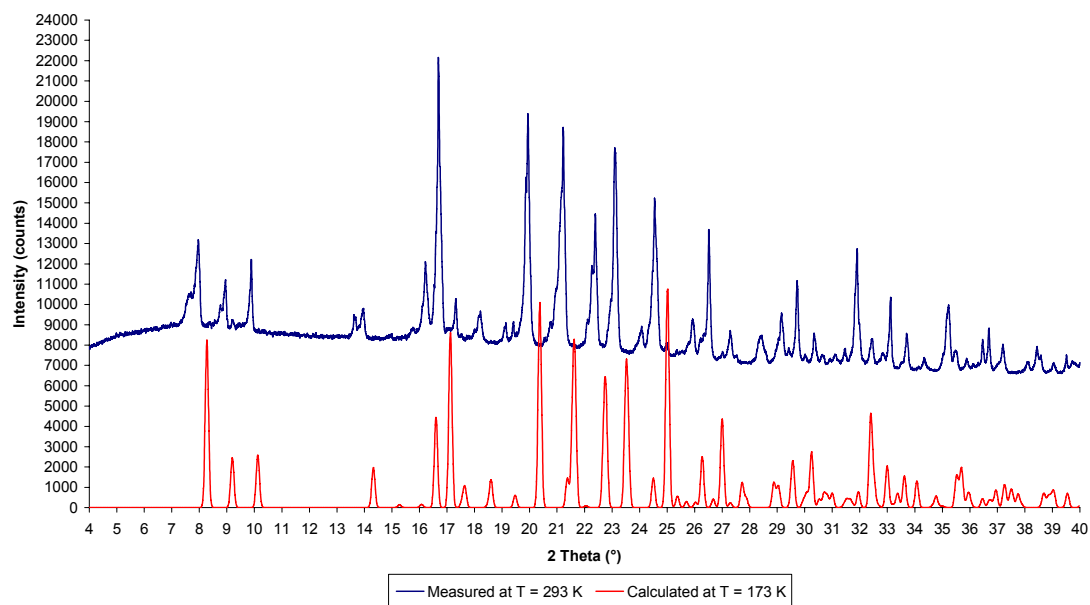
X-ray powder diffraction (HUBER Guinier 670 Imaging Plate diffractometer with Cu K α radiation, 1.542 Å) at T = 293 K established that the bulk material had the same crystal structure as the crystals selected for single-crystal analysis. The peak positions vary due to the different temperatures at which the measured sample was done compared to the calculated pattern. The peak intensities vary, perhaps due to microcrystalline orientation and/or texture effects.



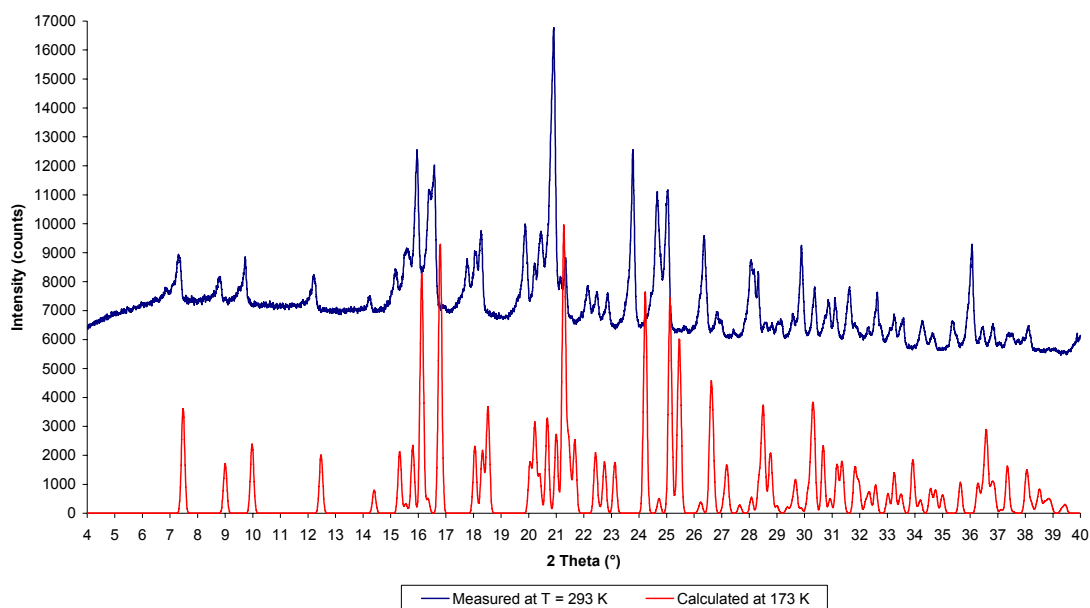
((2-pyridylmethyl)ammonium)•(*m*-iodobenzoate) (2)



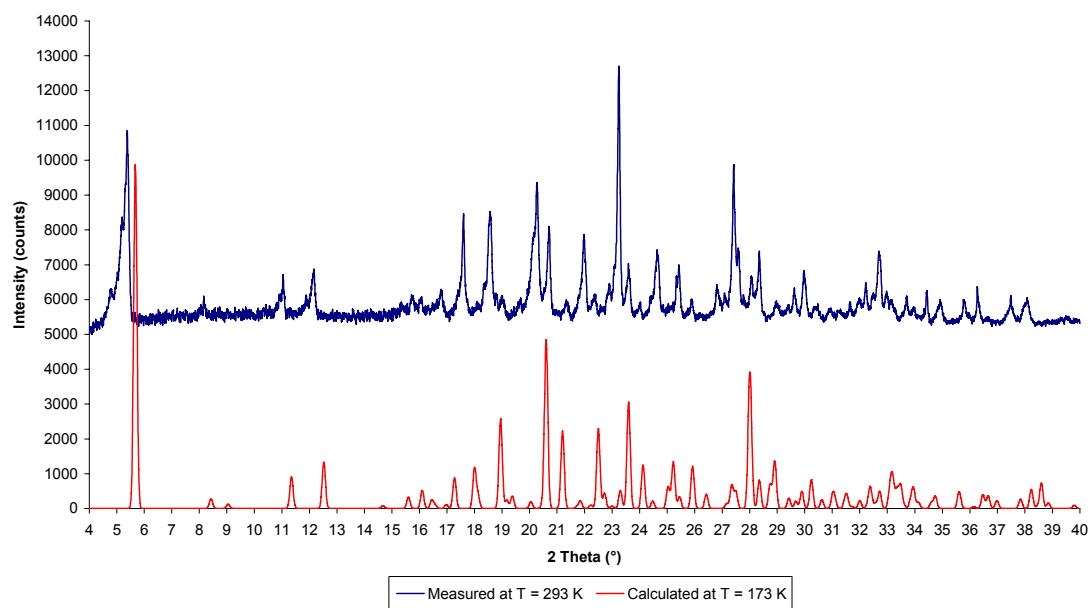
((3-pyridylmethyl)ammonium)•(*m*-iodobenzoate) (3)



((4-pyridylmethyl)ammonium)•(*m*-iodobenzoate) (4)



((4-pyridylmethyl)ammonium)•(*m*-iodobenzoate) •(*m*-iodobenzoic) (5)



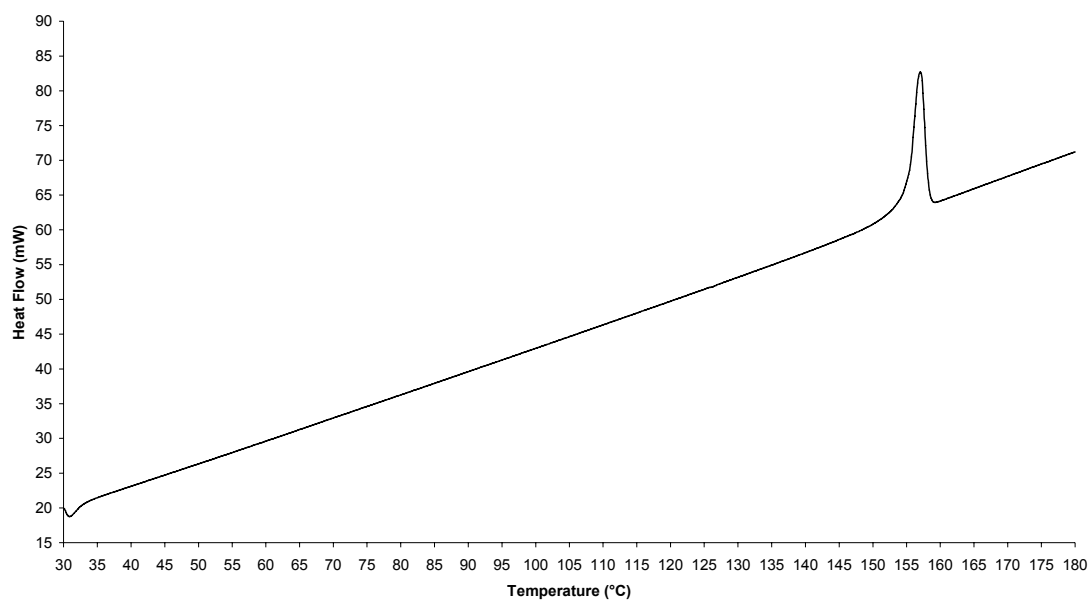
Elemental Analysis

	Calculated (C)	Found (C)	Calculated (H)	Found (H)	Calculated (N)	Found (N)
1: C ₁₄ H ₁₄ INO ₂	47.34	47.34	3.97	4.04	3.94	4.35
2: C ₁₃ H ₁₃ IN ₂ O ₂	43.84	43.96	3.68	3.65	7.87	7.81
3: C ₁₃ H ₁₃ IN ₂ O ₂	43.84	43.96	3.68	3.68	7.87	7.87
4: C ₁₃ H ₁₃ IN ₂ O ₂	43.84	44.01	3.68	3.84	7.87	7.99
5: C ₂₀ H ₁₈ I ₂ N ₂ O ₂	39.76	40.26	3.00	3.16	4.64	4.75

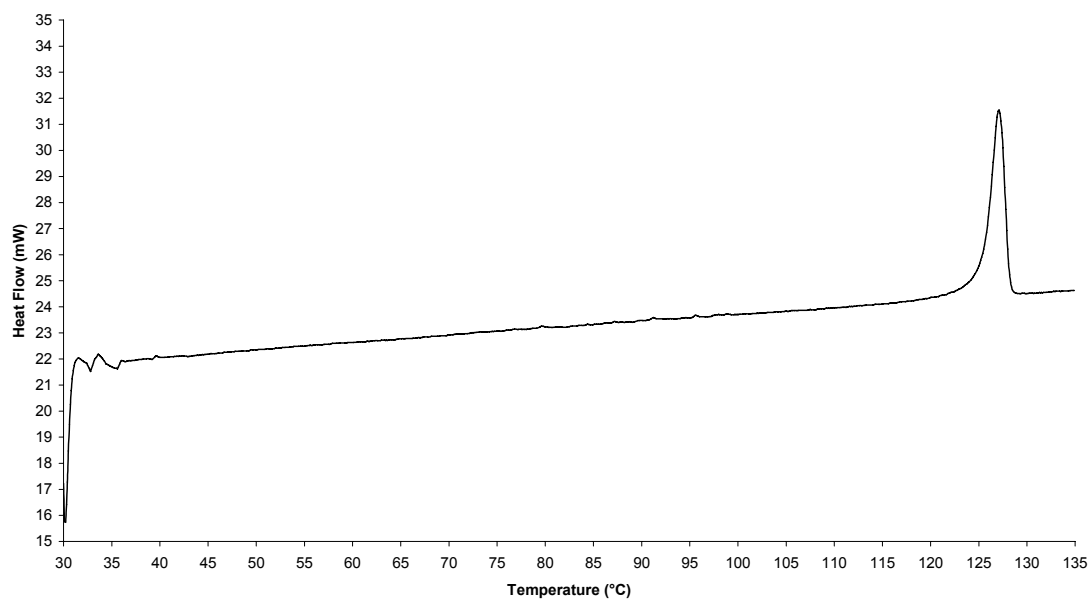
Differential Scanning Calorimetry

Differential scanning calorimetry was performed using a Perkin Elmer DSC7, heating rate $10^{\circ}\text{C min}^{-1}$ under an atmosphere of dry N_2 flowing at $4 \text{ cm}^3 \text{ min}^{-1}$.

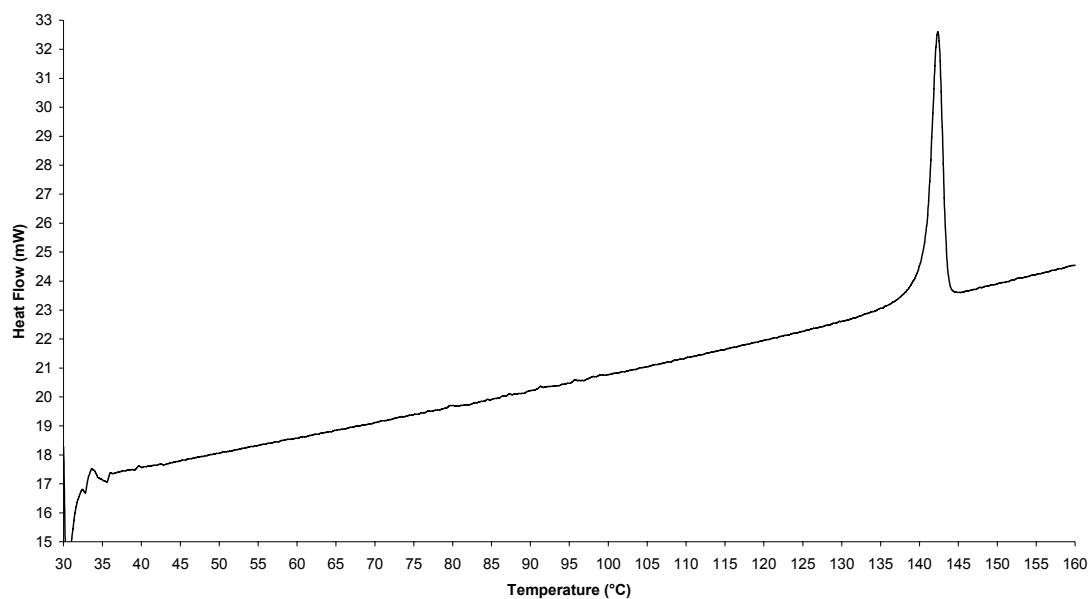
(benzylammonium)•(*m*-iodobenzoate) (1)



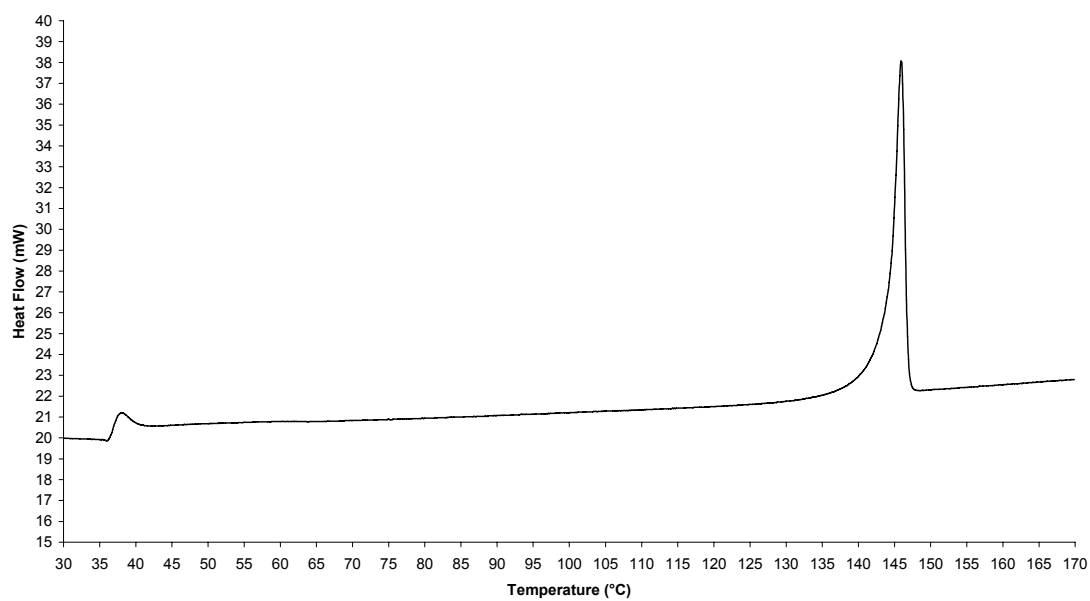
((2-pyridylmethyl)ammonium)•(*m*-iodobenzoate) (2)



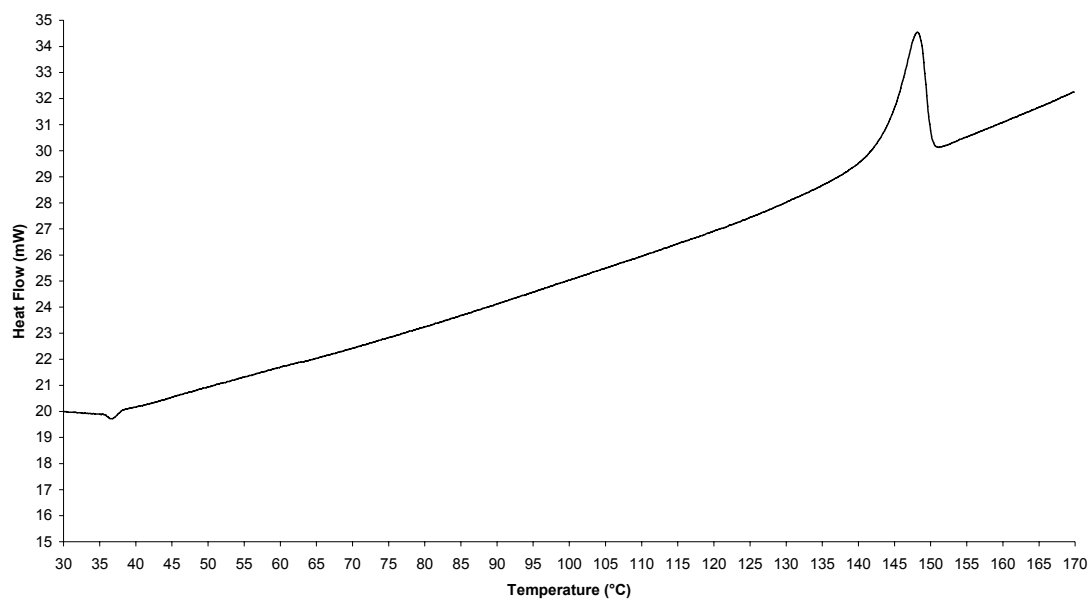
((3-pyridylmethyl)ammonium)•(*m*-iodobenzoate) (3)



((4-pyridylmethyl)ammonium)•(*m*-iodobenzoate) (4)



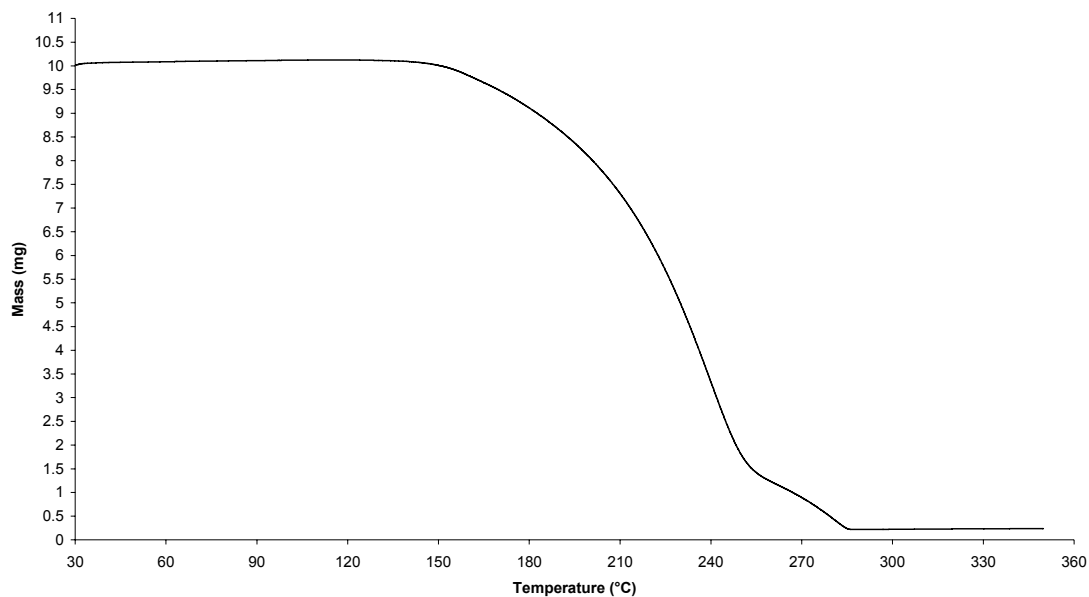
((4-pyridylmethyl)ammonium)•(*m*-iodobenzoate)•(*m*-iodobenzoic) (5)



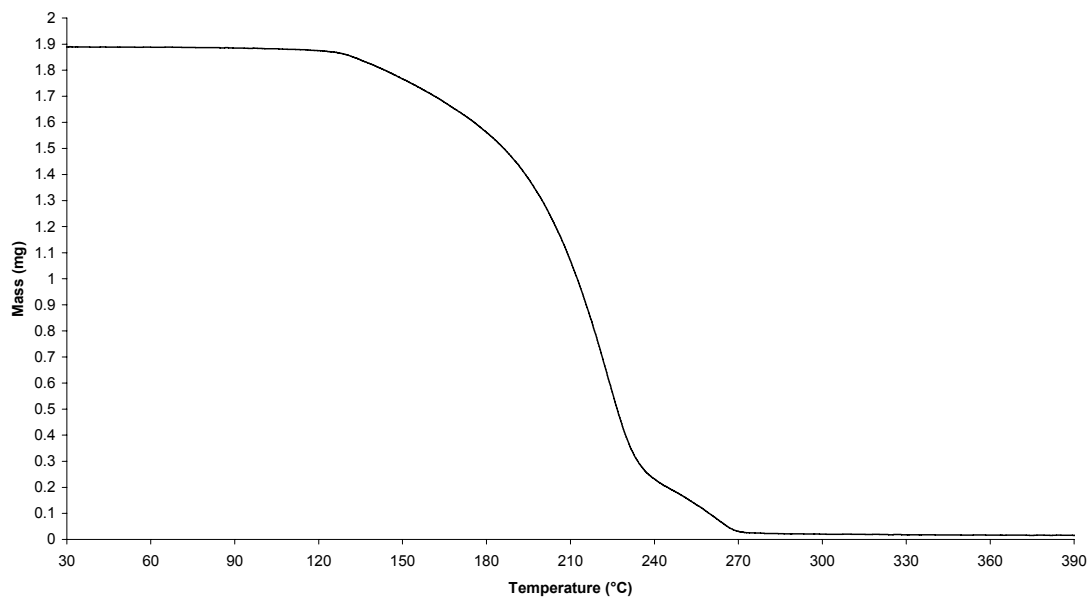
Thermal Gravimetric Analysis

Thermogravimetry was performed using a Mettler Toledo TGA/sDTA 851e, heating rate of 10 °C min⁻¹ under an atmosphere of dry N₂ flowing at 30 cm³ min⁻¹.

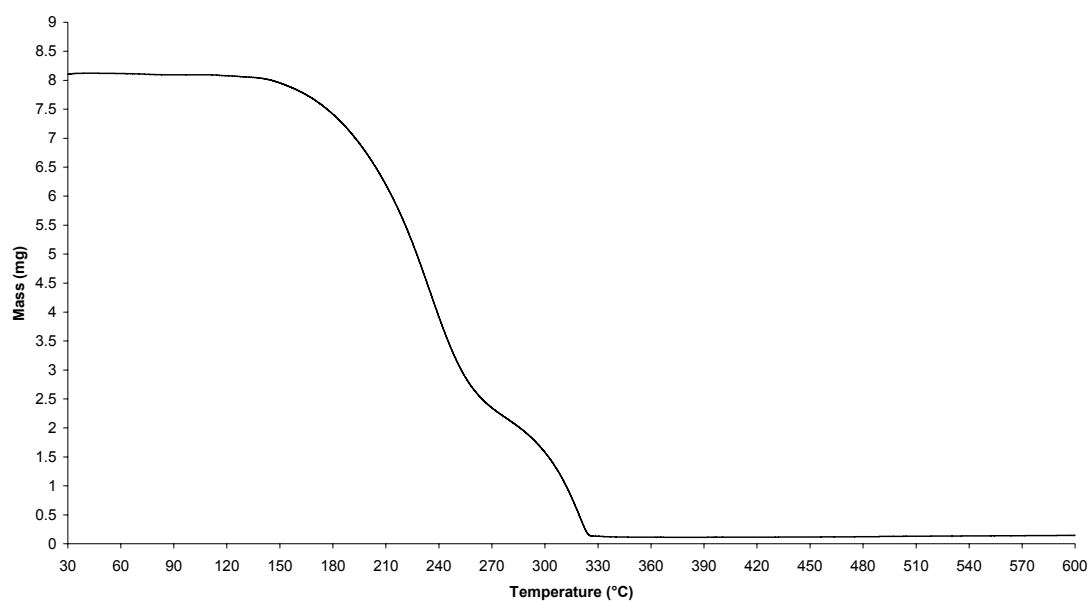
(benzylammonium)•(*m*-iodobenzoate) (1)



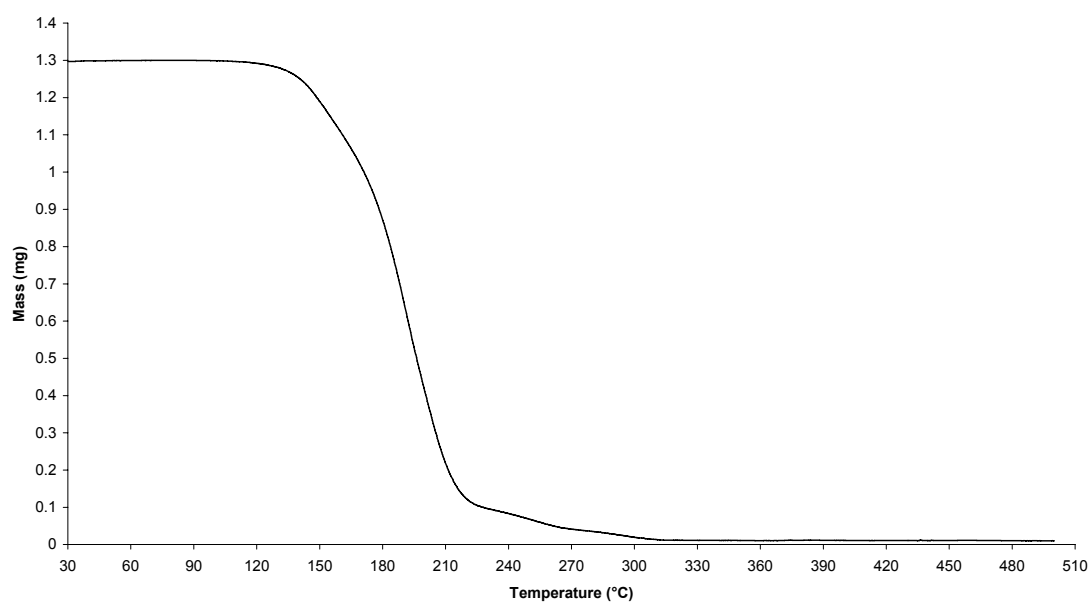
((2-pyridylmethyl)ammonium)•(*m*-iodobenzoate) (2)



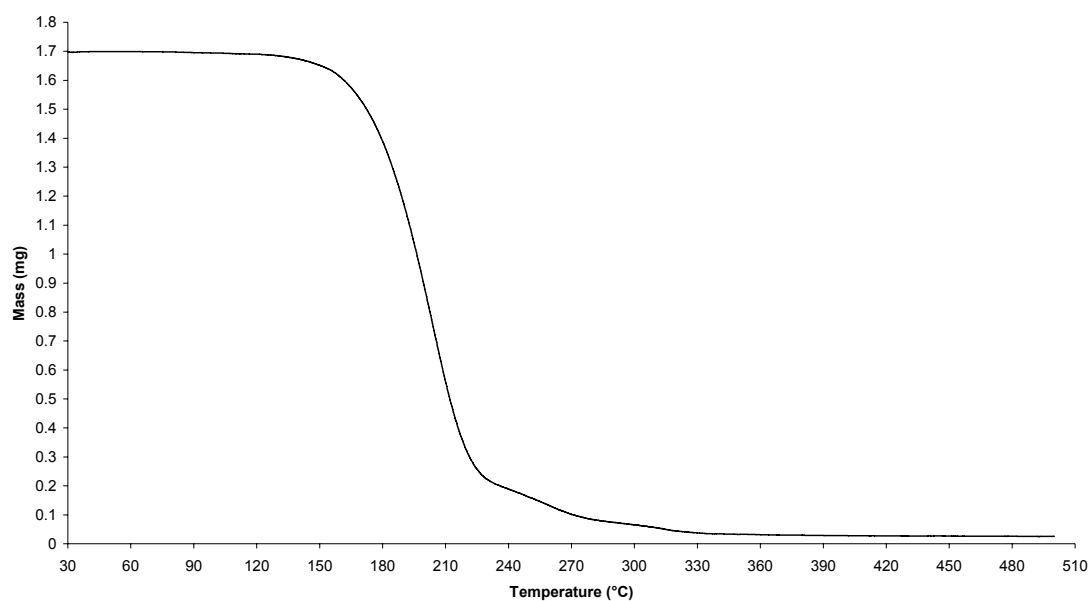
((3-pyridylmethyl)ammonium)•(*m*-iodobenzoate) (3)



((4-pyridylmethyl)ammonium)•(*m*-iodobenzoate) (4)



((4-pyridylmethyl)ammonium)•(*m*-iodobenzoate)•(*m*-iodobenzoic) (5)



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