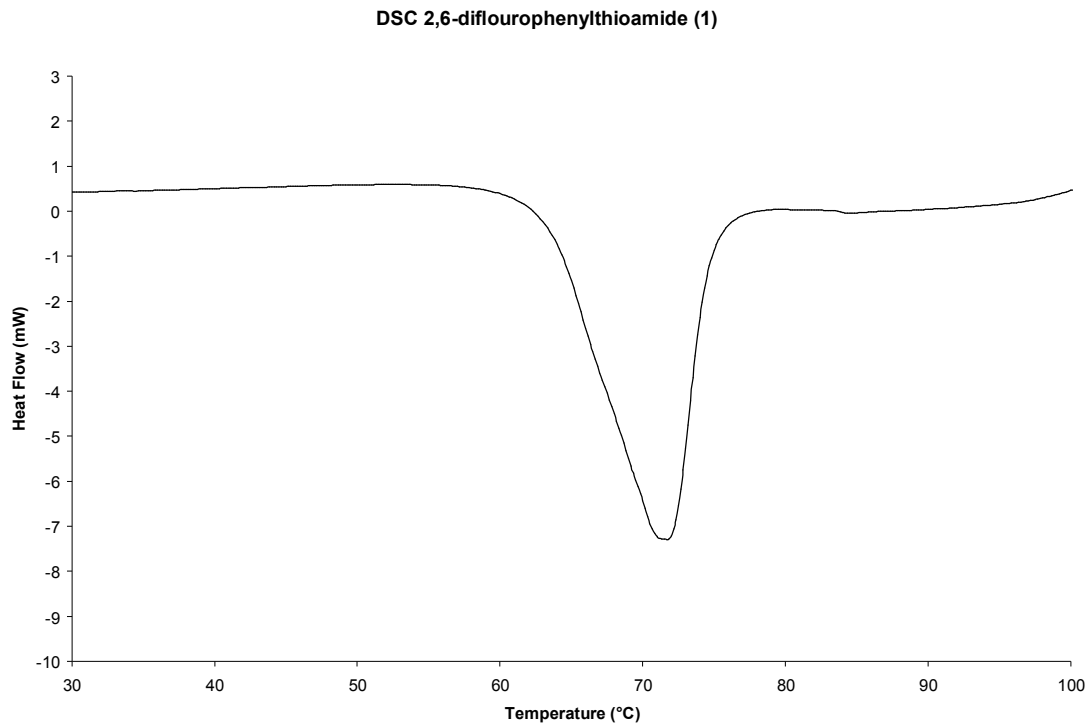
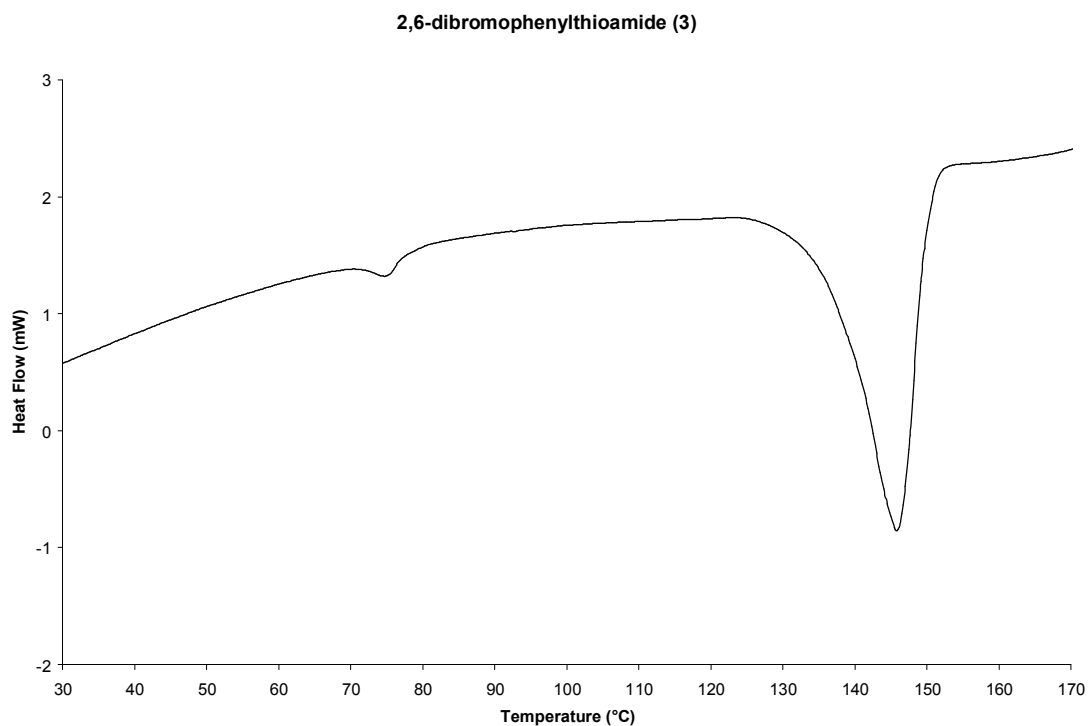
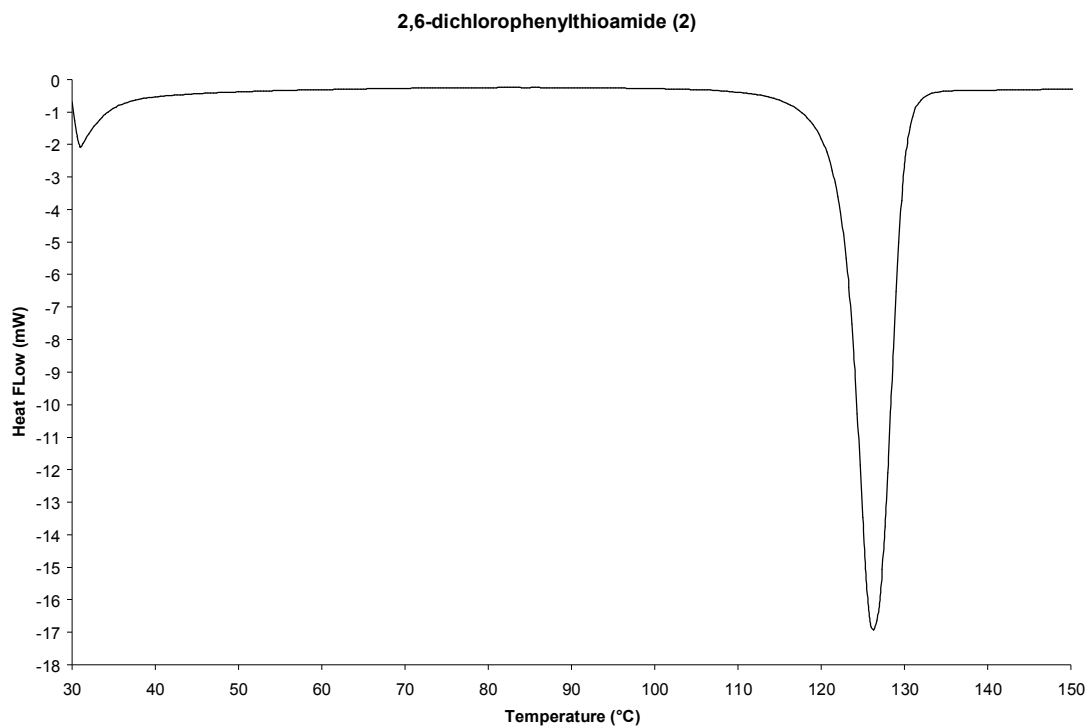


¹H-NMR data for N-arylformamides **1-5** (δ in ppm, ¹H-¹H coupling constants in Hz)

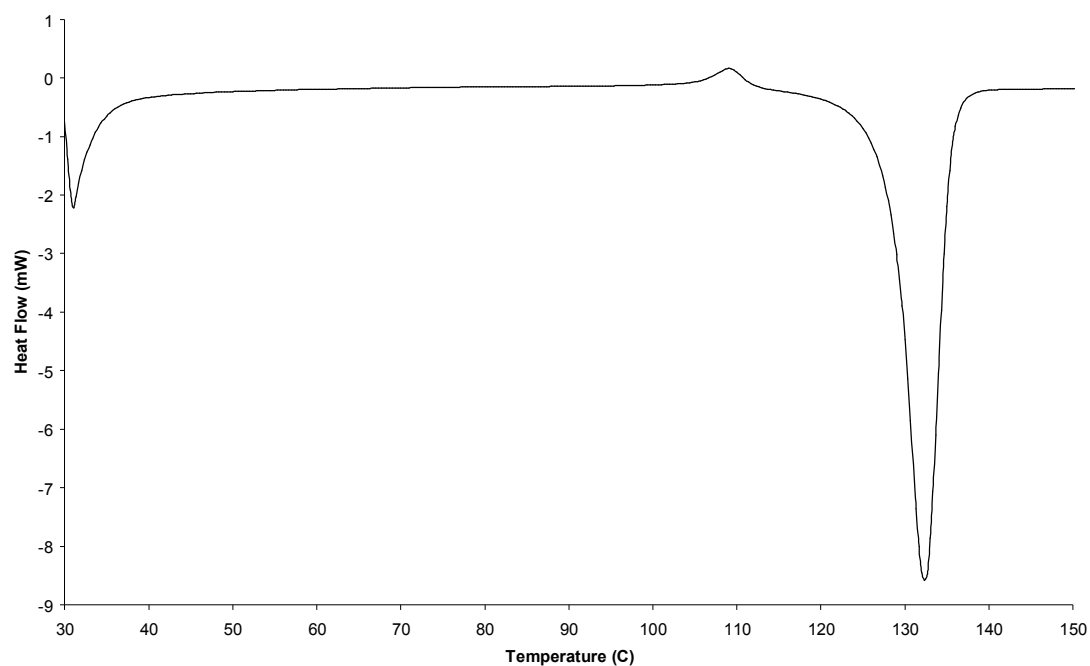
Compound	Solvent	Conformer	Methyl H and Methine H	Ar H	CHS	NH
2,6-DiF-S (15)	DMSO	<i>trans</i> ~ 33%	-	m, 7.40	s, 9.71	s, 11.65
		<i>cis</i> ~ 66%	-	m, 7.53	s – broad, 9.98	d 11.91 <i>J</i> = 13.86
2,6-DiCl-S (16)	DMSO	<i>trans</i> ~ 33%	-	m, 7.40	d, 9.62 <i>J</i> = 5.46	s, broad 11.83
		<i>cis</i> ~ 66%	-	m, 7.59	d, broad, 9.38 <i>J</i> = 13.68	s, broad 11.85
2,6-DiMe-S (17)	C ₆ D ₆	<i>trans</i> ~ 33%	s, 1.98	m, 6.66 6.80	d, 9.01 <i>J</i> = 5.68	s, broad 8.24
		<i>cis</i> ~ 66%	s, 1.78	6.92	d, broad, 8.82 <i>J</i> = 14.75	
2-Cl-6-Me-S (18)	DMSO	<i>Trans</i> ~ 33%	s, 2.33	m, 7.49	d, 9.63 <i>J</i> = 3.18	s, broad, 11.68
		<i>Cis</i> ~ 66%	s, 2.25	m, 7.38	d, 9.34 <i>J</i> = 14.10	s, broad, 11.68
2,6-DiBr-S (19)		<i>trans</i> ~ 33%	-	m, 7.02 7.29	s, 9.61	s, broad 8.68
		<i>cis</i> ~ 66%	-	7.57	d, 9.47 <i>J</i> = 11.08	
2,6-Diiso 6-S (20)	CDCl ₃	<i>Trans</i> ~ 70%	s, 1.44 septet, 3.06	m, 7.15	d, 9.06 <i>J</i> = 15.00	d, 9.39
		<i>cis</i> - 30%	s, 1.17 septet, 2.96	m, 7.28	d, 8.90	s, 9.74

Differential Scanning Calorimetry Scans





2,6-dimethylphenylthioamide (4)



2-chloro-6-methylphenylthioamide (5)

