

Table S1. Crystal data and structure refinement for **2**, **3a**, **3b** and **4**

	2	3a	3b	4
CCDC number	915146	915147	915149	915148
Empirical formula	C ₉ H ₈ BF ₂ N ₃	C ₁₂ H ₁₄ BF ₂ N ₃	C ₁₃ H ₁₆ BF ₂ N ₃	C ₁₃ H ₁₆ BF ₂ N ₃
Formula weight	206.99	249.07	263.10	263.10
Temperature	296(2)			
Crystal system	Monoclinic	Monoclinic	Triclinic	Monoclinic
Space group	P2 ₁ /c	C2/c	P-1	P2 ₁ /c
a (Å)	7.482(5)	18.23(3)	9.524(4)	8.259(11) Å
b (Å)	10.727(8)	17.42(3)	11.707(5)	9.659(13) Å
c (Å)	11.941(9)	15.14(2)	12.978(5)	16.43(2) Å
α(°)	90	90	88.450(6)	90°.
β(°)	102.161(13)	98.19(3)	85.147(6)	96.114(18)°.
γ (°).	90	90	71.671(6)	90°.
Volume (Å ³)	936.9(12)	4758(13)	1368.7(10) Å ³	1303(3)
Z	4	16	4	4
Density calc. (Mg/m ³)	1.467	1.391	1.277	1.341
Absorption coefficient (mm ⁻¹)	0.118	0.106	0.096	0.101
Theta range for data collection (°)	2.58 to 25.00	2.22 to 25.00	1.57 to 24.99	2.45 to 25.99
Reflections collected	15593	17079	14137	13451
Independent reflections	1649 (0.1110)	4111 (0.1627)	4805 (0.2451)	2563 (0.1056)
Completeness (%)	100.0	98.2	99.8	100.0
Absorption correction	Semi-empirical from equivalents			
Data / restraints / parameters	1649 / 1 / 168	4111 / 0 / 338	4805 / 0 / 355	2563 / 0 / 174
Goodness-of-fit on F2	0.888	0.893	0.921	0.838
Final R indices [I>2σ(I)]	R1 = 0.0509 wR2 = 0.1230	R1 = 0.0638, wR2 = 0.1406	R1 = 0.0699 wR2 = 0.0476	R1 = 0.0540 wR2 = 0.1292
peak and hole (e.Å ⁻³)	0.146 and -0.234	0.224 and -0.216	0.199 and -0.252	0.184 and -0.189