

ESI Crystal Data for compounds **1-5** and **LH₃**.

	1	2	3	4	5	LH₃
formula	C ₈₆ H ₁₂₂ O ₈ V ₂	C ₁₀₄ H ₁₄₄ N ₂ O ₇ V	C ₂₀ H ₁₅ N ₂ O ₄ V	C _{24.5} H ₂₄ NO ₅ V	C ₂₇ H ₂₄ N ₃ O ₄ V	C ₅₂ H ₇₃ NO ₃
fw	1385.72	1585.15	398.28	463.39	505.43	760.11
<i>T</i> /K	150(2)	120(2)	150(2)	120(2)	120(2)	150(2)
radiation source	sealed tube	rotating anode	synchrotron	synchrotron	synchrotron	synchrotron
wavelength /Å	0.71073	0.71073	0.6892	0.6751	0.6751	0.8464
crystal system	triclinic	monoclinic	monoclinic	monoclinic	monoclinic	triclinic
space group	<i>P</i> 1	<i>P</i> 2 ₁ / <i>c</i>	<i>P</i> 2 ₁ / <i>n</i>	<i>P</i> 2 ₁ / <i>c</i>	<i>P</i> 2 ₁	<i>P</i> 1
colour	red	pale green	blue	blue	blue	yellow/green
<i>a</i> /Å	12.1275(8)	15.4639(8)	9.6923(18)	23.7193(13)	9.2526(7)	14.452(2)
<i>b</i> /Å	13.7705(10)	30.6728(17)	11.754(2)	9.6174(5)	25.7210(18)	14.819(2)
<i>c</i> /Å	13.8307(10)	21.4928(9)	16.214(3)	21.0836(12)	9.8995(7)	14.999(2)
<i>α</i> /°	104.984(2)	90	90	90	90	116.865(2)
<i>β</i> /°	104.898(2)	107.107(3)	107.213(4)	116.030(2)	90.085(2)	116.214(2)
<i>γ</i> /°	105.394(2)	90	90	90	90	91.421(3)
<i>V</i> /Å ³	2015.2(2)	9743.5(8)	1764.5(6)	4321.7(4)	2355.9(3)	2467.8(7)
<i>Z</i>	1	4	4	8	4	2
<i>R</i> 1	0.0567	0.1009	0.0432	0.0439	0.0431	0.0776
GOF	1.056	1.036	1.042	1.004	1.057	1.033