

Supplementary Material

Highly selective metal mediated *ortho*-alkylation of phenol. First platinum containing organometallic chromane analogues

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Table 1s. Selected bond lengths (Å) and angles (deg.) for [Pt(EtPh)(phen)], 1a.

Bond lengths

Pt1-N1	2.003(7)	C5-C6	1.402(11)
Pt1-O1	2.013(6)	C6-C10	1.403(11)
Pt1-C13	2.041(10)	C7-C8	1.383(14)
Pt1-N2	2.111(7)	C8-C9	1.367(15)
O1-C16	1.349(10)	C9-C10	1.406(14)
N1-C1	1.318(11)	C10-C12	1.425(13)
N1-C5	1.364(10)	C11-C12	1.336(14)
N2-C7	1.324(11)	C13-C14	1.517(15)
N2-C6	1.365(10)	C14-C15	1.506(13)
C1-C2	1.393(14)	C15-C20	1.378(13)
C2-C3	1.351(14)	C15-C16	1.409(12)
C3-C4	1.409(13)	C16-C17	1.370(13)
C4-C5	1.409(12)	C17-C18	1.366(14)
C4-C11	1.431(13)	C18-C19	1.344(15)
		C19-C20	1.401(15)

<i>Angles</i>			
		N2-C6-C5	116.3(7)
N1-Pt1-O1	171.5(3)	N2-C6-C10	122.1(8)
N1-Pt1-C13	96.3(4)	C5-C6-C10	121.6(8)
O1-Pt1-C13	92.1(4)	N2-C7-C8	122.1(10)
N1-Pt1-N2	80.7(3)	C9-C8-C7	119.6(11)
O1-Pt1-N2	90.8(3)	C8-C9-C10	120.1(10)
C13-Pt1-N2	176.5(4)	C6-C10-C9	116.8(9)
C16-O1-Pt1	116.5(5)	C6-C10-C12	117.6(9)
C1-N1-C5	118.2(8)	C9-C10-C12	125.6(10)
C1-N1-Pt1	128.7(7)	C12-C11-C4	120.4(11)
C5-N1-Pt1	113.2(6)	C11-C12-C10	122.1(10)
C7-N2-C6	119.2(8)	C14-C13-Pt1	114.8(8)
C7-N2-Pt1	129.9(6)	C15-C14-C13	113.8(8)
C6-N2-Pt1	110.9(5)	C15-C14-H17A	106(7)
N1-C1-C2	122.6(10)	C20-C15-C16	116.7(9)
C3-C2-C1	120.4(10)	C20-C15-C14	124.7(9)
C2-C3-C4	119.0(10)	C16-C15-C14	118.5(8)
C5-C4-C3	117.4(9)	O1-C16-C17	119.7(9)
C5-C4-C11	119.4(9)	O1-C16-C15	120.8(8)
C3-C4-C11	123.2(10)	C17-C16-C15	119.4(9)
N1-C5-C6	118.8(8)	C18-C17-C16	122.1(11)
N1-C5-C4	122.3(8)	C19-C18-C17	120.6(11)
C6-C5-C4	118.9(8)	C18-C19-C20	118.2(10)

C15-C20-C19 123.1(10)
