Supporting Information for:

Group 4 metal compounds incorporating the amide ligand, $[N(SiMe_2\{C_6H_4\text{-}2\text{-}OMe\})_2]^-$

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Zr(**L**)(NMe_2)Cl_2. Toluene (40 mL) was added to a mixture of Zr(NMe_2)$_3$Cl (0.50 g, 1.93 mmol) and Li(**L**) (0.68 g, 1.93 mmol) at ambient temperature, and the resulting light orange suspension stirred for 24 h. Filtration and removal of the volatile components *in vacuo* afforded 'Zr(**L**)(NMe_2)$_3$' as a viscous orange oil; the yield was assumed to be quantitative at this stage and no characterization was performed. The product was dissolved in pentane (50 mL) and $SiMe_3Cl$ (2.0 mL, large excess) was added *via* syringe. The resulting solution was left to stand for 18 h during which time the product precipitated from solution as a yellow crystalline solid. The crude product was purified by recrystallisation from toluene, affording pure **4** as colourless crystals. Yield 0.30 g, 28%.

Table S1 Crystal structure and refinement data for Zr(**L**)(NMe_2)Cl_2

CCDC Number	850301
Empirical formula	$C_{20}H_{32}Cl_2N_2O_2Si_2Zr$
M_r	550.78
T [K]	173(2)
Crystal size [mm]	0.20 × 0.20 × 0.10
Crystal system	Triclinic
Space group	*P*bar1 (No.2)
a [Å]	9.1335(3)
b [Å]	9.1970(4)
c [Å]	16.6399(8)
α [°]	97.298(2)
β [°]	93.494(3)
γ [°]	113.499(2)
V [Å³]	1261.85(9)
Z	2
$d_{calcd.}$ [Mg m^{-3}]	1.45
Absorption coefficient [mm^{-1}]	0.76
θ range [°]	3.57 to 26.07
Reflections collected	16581
Independent reflections	4805 [R_{int} 0.036]
Reflections with $I > 2\sigma(I)$	4301
Data/restraints/parameters	4805 / 0 / 270
Final R indices [$I > 2\sigma(I)$]	R_1 = 0.027, wR_2 = 0.063
Final R indices (all data)	R_1 = 0.033, wR_2 = 0.066
GooF on F^2	1.132
Largest diff peak/hole [e Å^{-3}]	0.32 and –0.52