Supporting Information for

(Decacarbonyl)(1-isopropyl-2-phenyl-1,2,5,6-tetrahydroacenaphtho[5,6-cd][1,2]diphosphole)ditungsten(0)

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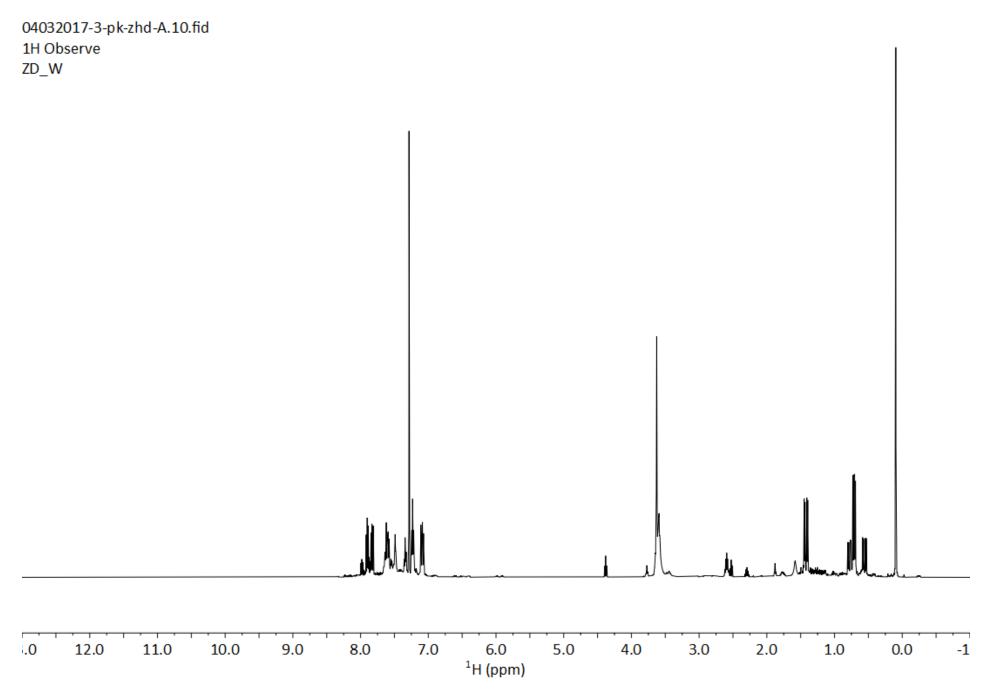


Figure S1: ¹H NMR spectrum of **1**, acquired in CDCI₃ at 500 MHz at ambient conditions.

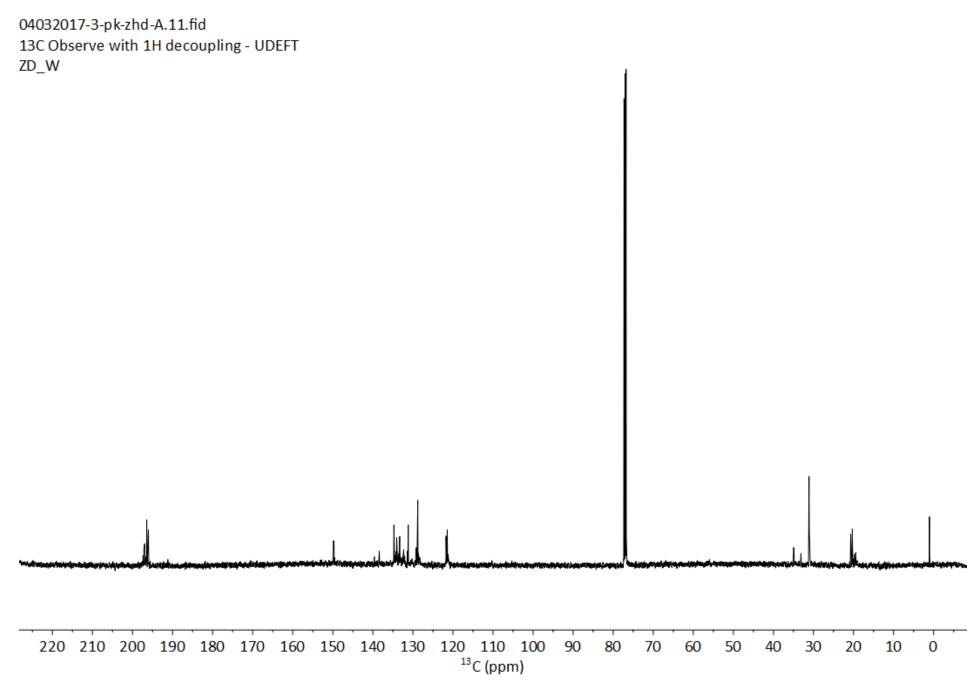


Figure S2: ¹³C{¹H} NMR spectrum of **1**, acquired in CDCl₃ at 126 MHz at ambient conditions.

02132017-4-pk-zhd-A.11.fid 31P Observe with 1H decoupling 31P_ZD006a_CDCl3

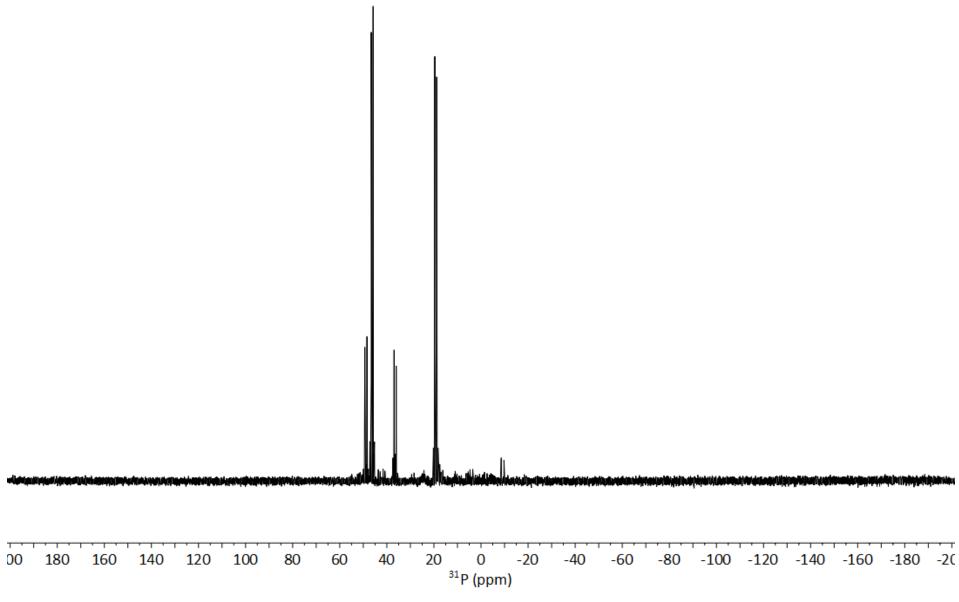


Figure S3: ³¹P{¹H} NMR spectrum of **1**, acquired in CDCl₃ at 202 MHz at ambient conditions.

02132017-4-pk-zhd-A.11.fid 31P Observe with 1H decoupling 31P_ZD006a_CDCl3

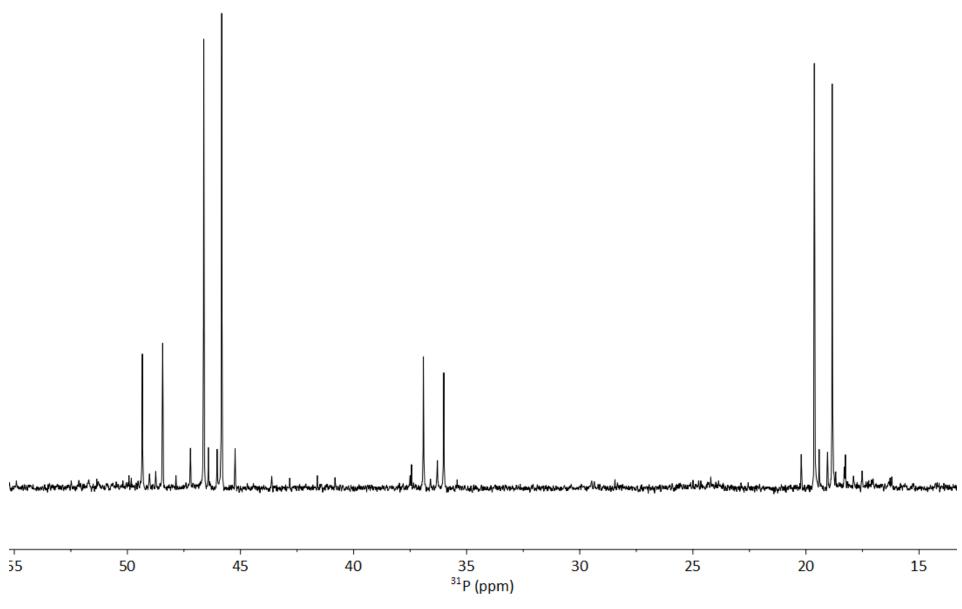


Figure S4: Expansion of the ³¹P{¹H} NMR spectrum of **1**, acquired in CDCl₃ at 202 MHz at ambient conditions.

Table S1. Selected crystallographic data.

	1
Formula	$C_{31}H_{20}O_{10}P_2W_2$
F _w	982.14
Crystal description	Colourless prism
Crystal size [mm³]	0.210×0.210×0.160
Space group	P-1 (#2)
a [Å]	9.913(2)
b [Å]	9.930(2)
c [Å]	15.934(4)
α [°]	92.990(6)
β [°]	96.8585(10)
γ [°]	90.360(8)
vol [Å] ³	1555.0(6)
Z	2
ρ (calc) [g/cm³]	2.097
μ [cm ⁻¹]	75.601
F(000)	982
2θ _{max} [°]	50.7
2θ range [°]	4.606 – 50.772
Index range	-11 ≤ h ≤ 11
	-11 ≤ k ≤ 11
	-18 ≤ I ≤ 19
Reflections collected	19843
Independent reflections)	5544
GoF on F ²	1.099
$R_1[I > 2\sigma(I)]$	0.0705
wR ₂ (all data)	0.2200
Largest diff. peak/hole [e/ų]	9.04, -5.71