

**Small Molecule Activation Mediated by a Uranium Bipyridyl
Metallocene**

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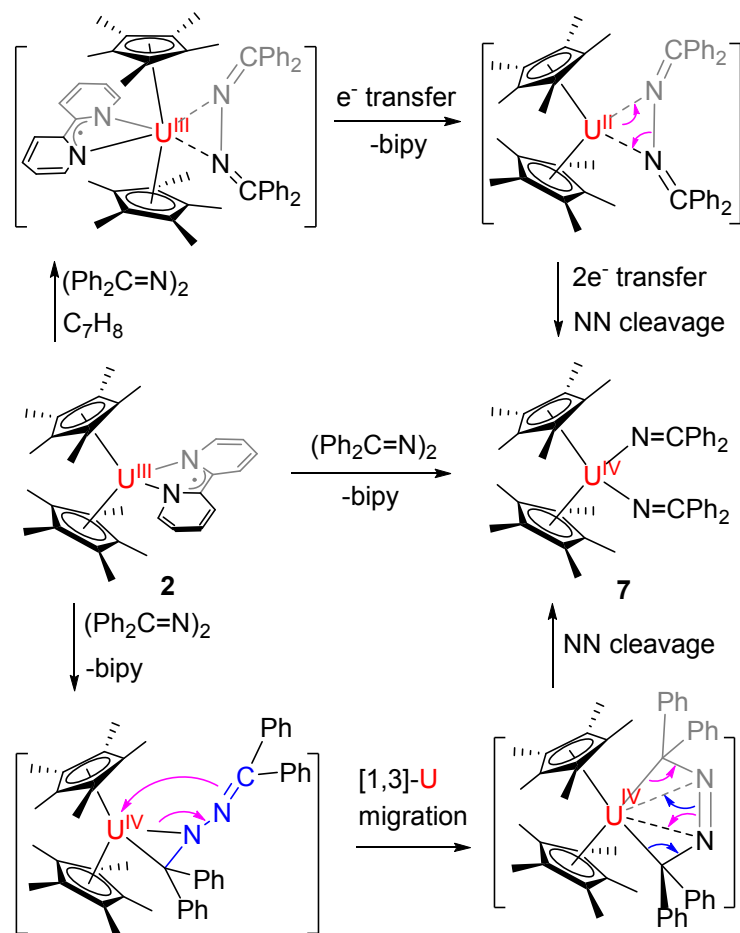
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1. Scheme and Figure



Scheme S1. Synthesis of complex 7.

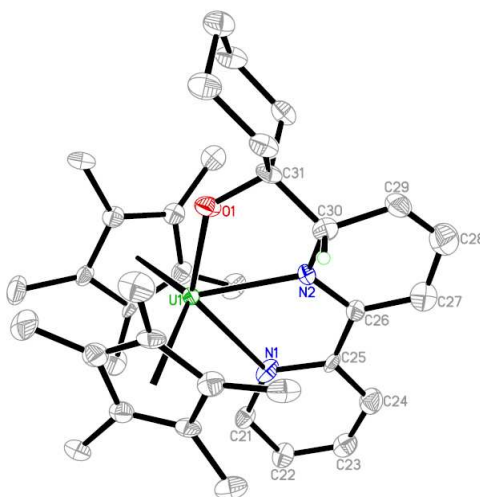


Figure S1. Molecular structure of 11 (thermal ellipsoids drawn at the 35% probability level).

Table S1. Crystal Data and Experimental Parameters for Compounds 8, 13b and 14

Compound	8	13b ·2C ₆ H ₆	14
Formula	C ₃₉ H ₆₃ N ₃ U	C ₈₂ H ₁₀₄ N ₄ O ₄ U ₂	C ₃₀ H ₃₈ IN ₂ U
Fw	811.95	1685.75	791.55
crystal system	monoclinic	orthorhombic	monoclinic
space group	<i>P</i> 2 ₁ / <i>c</i>	<i>Pbcn</i>	<i>P</i> 2 ₁ / <i>c</i>
<i>a</i> (Å)	10.051(1)	11.796(1)	10.552(1)
<i>b</i> (Å)	20.195(1)	16.927(1)	14.422(1)
<i>c</i> (Å)	17.898(1)	36.159(1)	18.308(1)
α (deg)	90	90	90
β (deg)	90.03(1)	90	90.39(1)
γ (deg)	90	90	90
<i>V</i> (Å ³)	3632.98(18)	7220.1(4)	2786.03(4)
<i>Z</i>	4	4	4
<i>D</i> _{calc} (g/cm ³)	1.484	1.551	1.887
μ (Mo/K α) _{calc} (cm ⁻¹)	4.497	4.533	25.236
size (mm)	0.30 × 0.20 × 0.10	0.13 × 0.12 × 0.10	0.20 × 0.20 × 0.15
<i>F</i> (000)	1640	3360	1508
2 θ range (deg)	6.47 to 59.59	6.76 to 59.61	7.80 to 146.55
no. of reflns, collected	29733	47368	12222
no of obsd reflns	8959	9246	5434
no of variables	398	427	317
abscorr (<i>T</i> _{max} , <i>T</i> _{min})	1.00, 0.68	1.00, 0.68	1.00, 0.57
<i>R</i>	0.036	0.044	0.028
<i>R</i> _w	0.057	0.064	0.067
<i>R</i> _{all}	0.058	0.097	0.031
Gof	1.03	1.02	1.05