

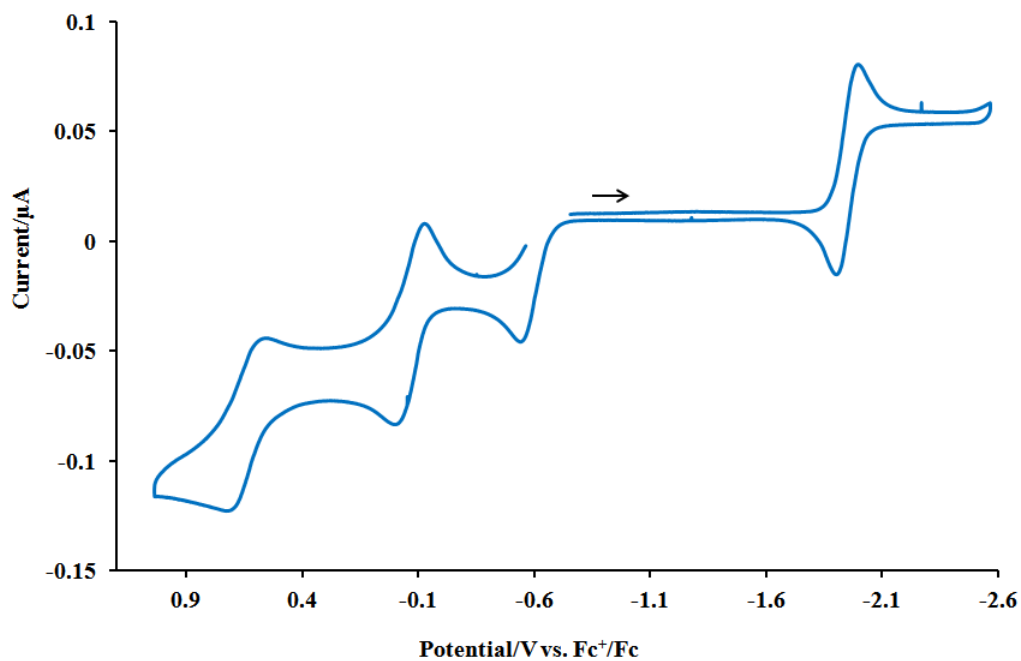
## Supplementary Information

An Electrochemical Investigation of Intermediates and Processes Involved in the Catalytic

Reduction of Dinitrogen by [HIPTN<sub>3</sub>N]Mo (HIPT = 3,5-(2,4,6-*i*-Pr<sub>3</sub>C<sub>6</sub>H<sub>2</sub>)<sub>2</sub>C<sub>6</sub>H<sub>3</sub>)

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S.1. Cyclic voltammogram of 0.5 mM MoN<sub>2</sub> in PhF/Bu<sub>4</sub>NPF<sub>6</sub> showing peaks at -0.54 V, -0.08 V and 0.71 V vs. Fc<sup>+</sup>/Fc. WE: 0.5 mm Pt and *v*: 20 mV/s.



S.2. Cyclic voltammogram of 0.5 mM **MoN=NH** in PhF/ $\text{Bu}_4\text{NPF}_6$ . The potential scan starts at  $-0.74$  V vs.  $\text{Fc}^+/\text{Fc}$ . WE: 0.5 mm Pt and  $v$ : 20 mV/s.

