

Mononuclear nonheme iron(V)-oxo complexes have been reported previously. In this study, we investigate the first example of a mononuclear nonheme iron(V)-imido complex bearing a tetraamido macrocyclic ligand (TAML),  $[(\text{TAML})\text{FeV}(\text{NTs})]^-$ . The spectroscopic characterization of this compound revealed an  $S = 1/2$  Fe(V) oxidation state, an Fe=N bond length of 1.65(4) Å, and an Fe=N vibration at 817  $\text{cm}^{-1}$ . The reactivity of this compound was demonstrated in C-H bond functionalization and nitrene transfer reactions.