Supporting information for:

Ti(IV)-Amine Triphenolate Complexes as Effective Catalysts for Sulfoxidation


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Figure S1. ESI-MS of ion A obtained by direct injection of a solution 10^-5 M of complex 2c in CD3OD.

Figure S2. Experimental (A) and calculated (B) isotopic distribution for ion A. (10^-5 M in CD3OD).

1H NMR (CDCl3, 300 MHz) complex 2c
1H NMR (CDCl3, 300 MHz) complex 2c + 35% H2O2
1H NMR (CD2Cl2, 300 MHz) complex 2c
1H NMR (CD2Cl2, 300 MHz) complex 2c + 35% H2O2
1H NMR (CD3CN, 300 MHz) complex 2c
1H NMR (CD3CN, 300 MHz) complex 2c + 35% H2O2
1H NMR (acetone-d6, 300 MHz) complex 2c
1H NMR (acetone-d6, 300 MHz) complex 2c + 35% H2O2
1H NMR (CD3OD, 300 MHz) complex 2c
1H NMR (CD3OD, 300 MHz) complex 2c + 35% H2O2
**Figure S1.** ESI-MS of ion A obtained by direct injection of a solution 10^{-5} M of complex 2c in CD_{3}OD.
Figure S2. Experimental (A) and calculated (B) isotopic distribution for ion A. Obtained from direct injection ESI-MS experiment on complex 2c (R= t-Bu) (10^{-6} M in CD_{3}OD).
CDCl₃, 300 MHz
Complex 2c + 35% H₂O₂
CDCl₃, 300 MHz
Complex 2c + 35% $\text{H}_2\text{O}_2$
$\text{CD}_2\text{Cl}_2$, 300 MHz

Supplementary Material (ESI) for Dalton Transactions
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Complex 2c + 35\% H_2O_2
CD_3CN, 300 MHz

Free i-PrOH
Complex 2c + 35% H₂O₂
Acetone-đ₆, 300 MHz

Free i-PrOH
Complex 2c + 1000 equiv 35% H₂O₂
CD₃OD, 300 MHz