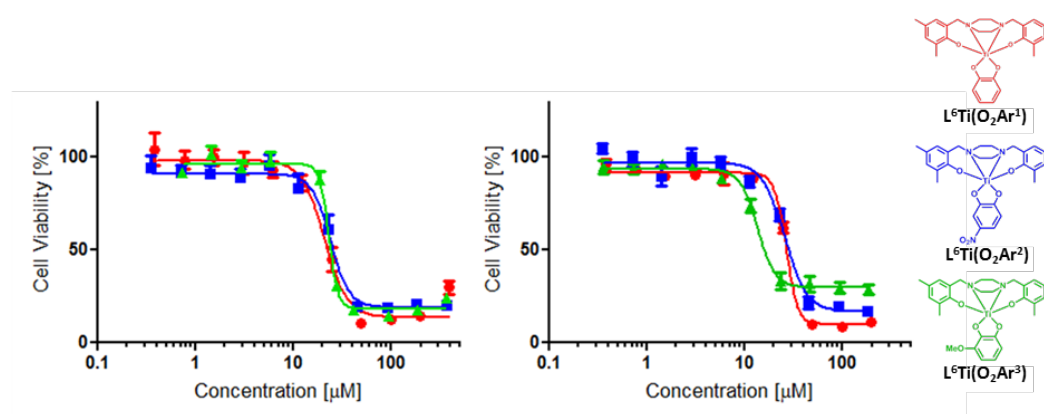


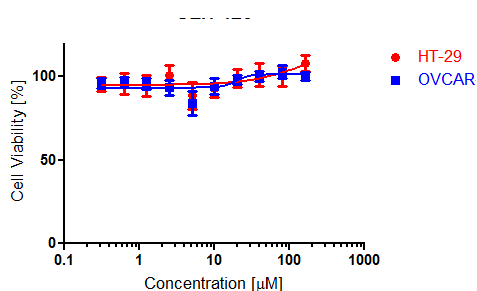
SUPPORTING INFORMATION

Heteroleptic Titanium (IV) Catecholate/Piperazine Systems and their Anti-cancer Properties

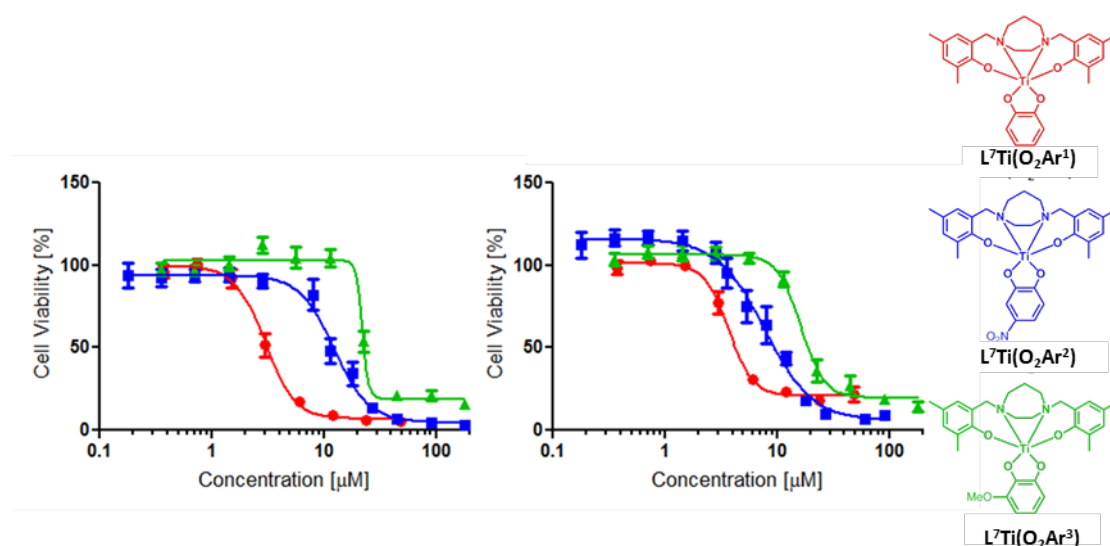
Stuart L. Hancock, Rachael Gati, Mary F. Mahon, Edit Y. Tshuva and Matthew D. Jones



Graph 1: Cytotoxicity of complexes $L^6Ti(O_2Ar^{1-3})$ towards HT-29 cells (left) and OVCAR cells (right)



Graph 2: Cytotoxicity of $L^6Ti(O_2Ar^4)$ towards HT-29 and OVCAR



Graph 3: Cytotoxicity of complexes $L^7Ti(O_2Ar^{1-3})$ towards HT-29 cells (left) and OVCAR cells (right)

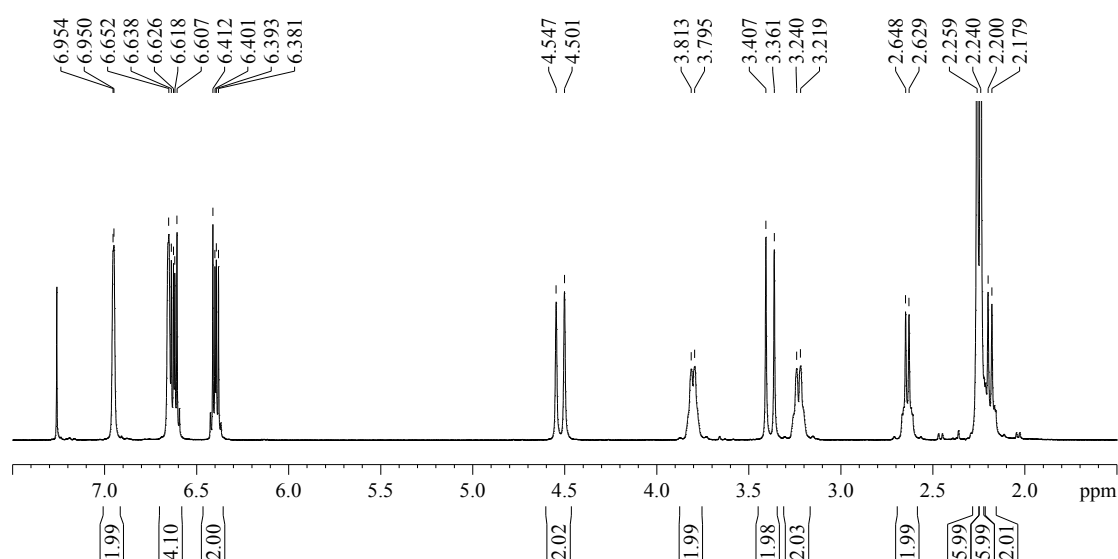


Figure S1: 1H NMR spectrum of $L^6Ti(O_2Ar^1)$ in $CDCl_3$ (298 K).

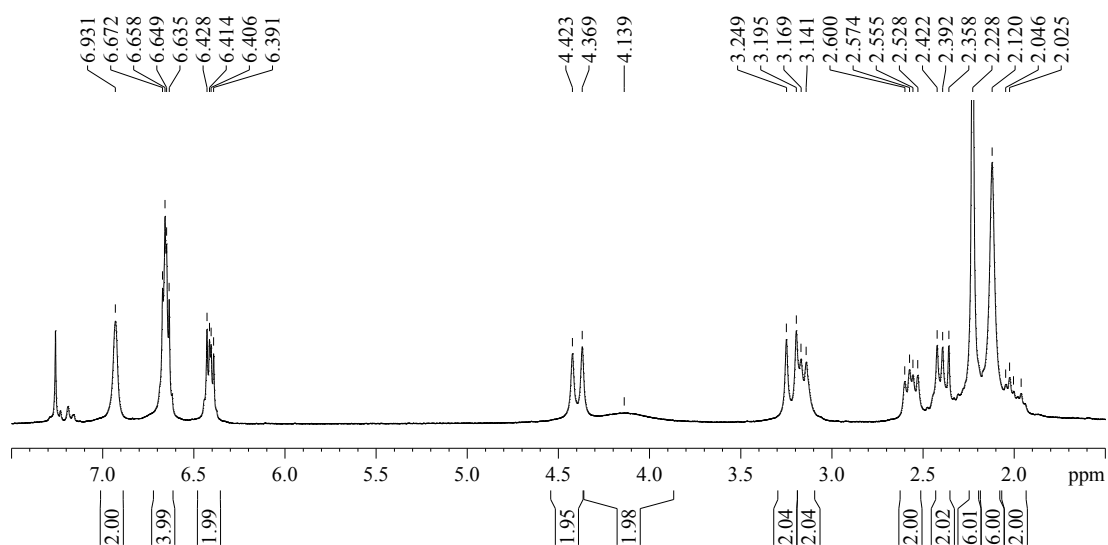


Figure S2: ^1H NMR spectrum of $\text{L}^7\text{Ti}(\text{O}_2\text{Ar}^1)$ in CDCl_3 (298 K).

Hydrolysis Experiments:

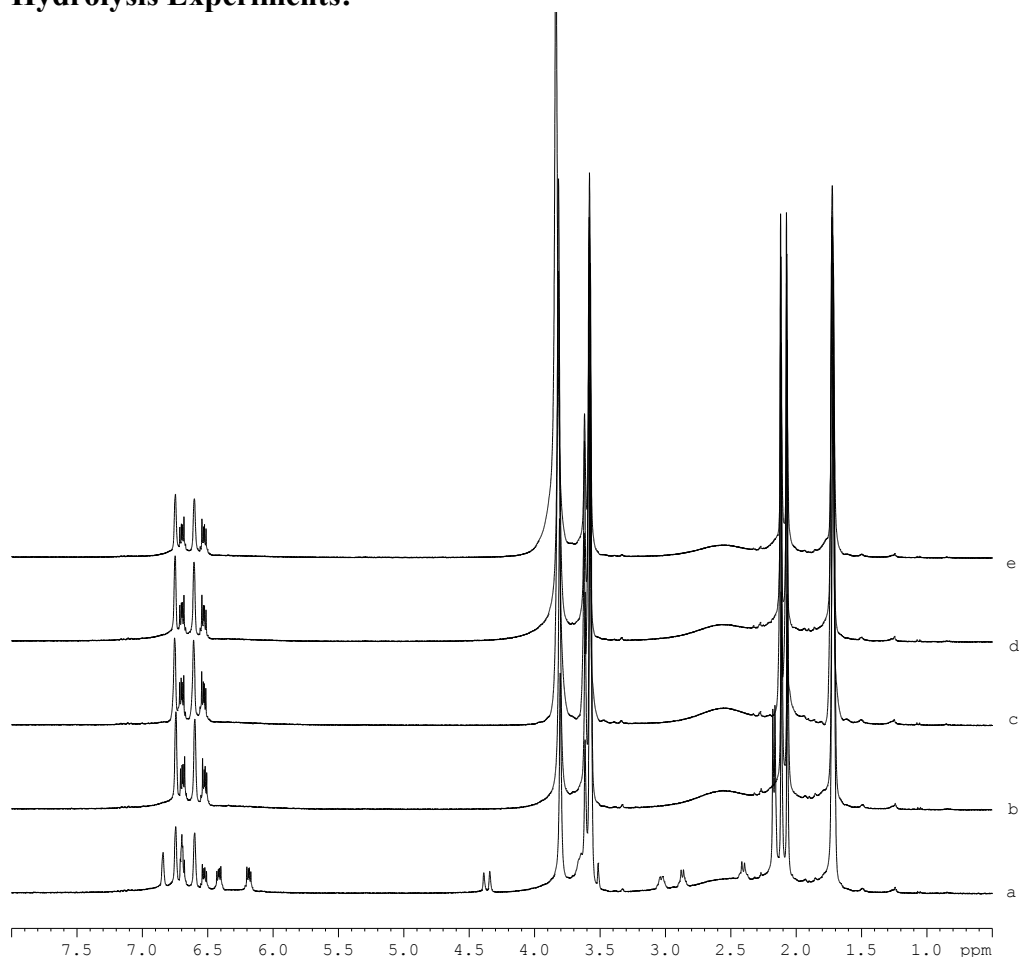


Figure S3: ^1H NMR spectrum of $\text{L}^6\text{Ti}(\text{O}_2\text{Ar}^1)$ in 10% D_2O and 90% $\text{d}_8\text{-THF}$ (298 K).

(a) 1 hr; (b) 4.5; (c) 24 hrs; (d) 28.5 hrs; (e) 90 hrs.

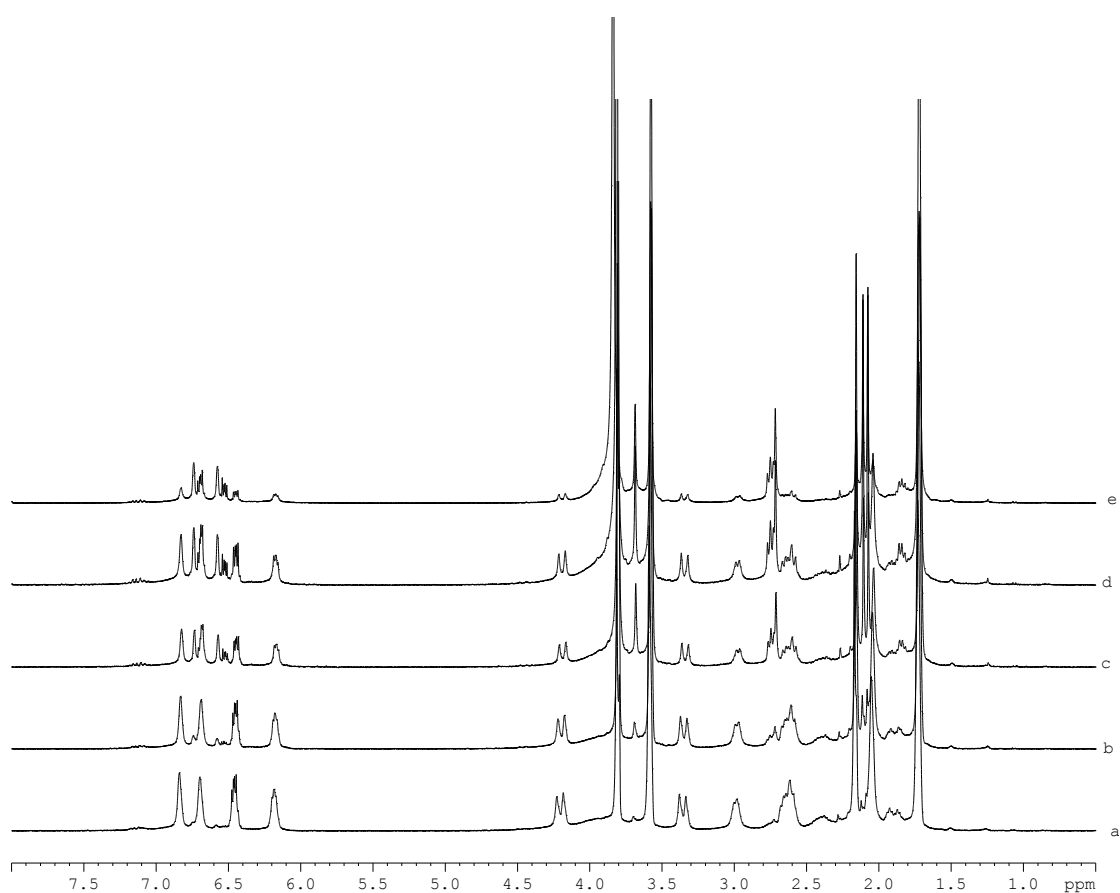


Figure S4: ^1H NMR spectrum of $\text{L}^7\text{Ti}(\text{O}_2\text{Ar}^1)$ in 10% D_2O and 90% d_8 -THF (298 K).
(a) 1 hr; (b) 4.5; (c) 24 hrs; (d) 28.5 hrs; (e) 90 hrs.

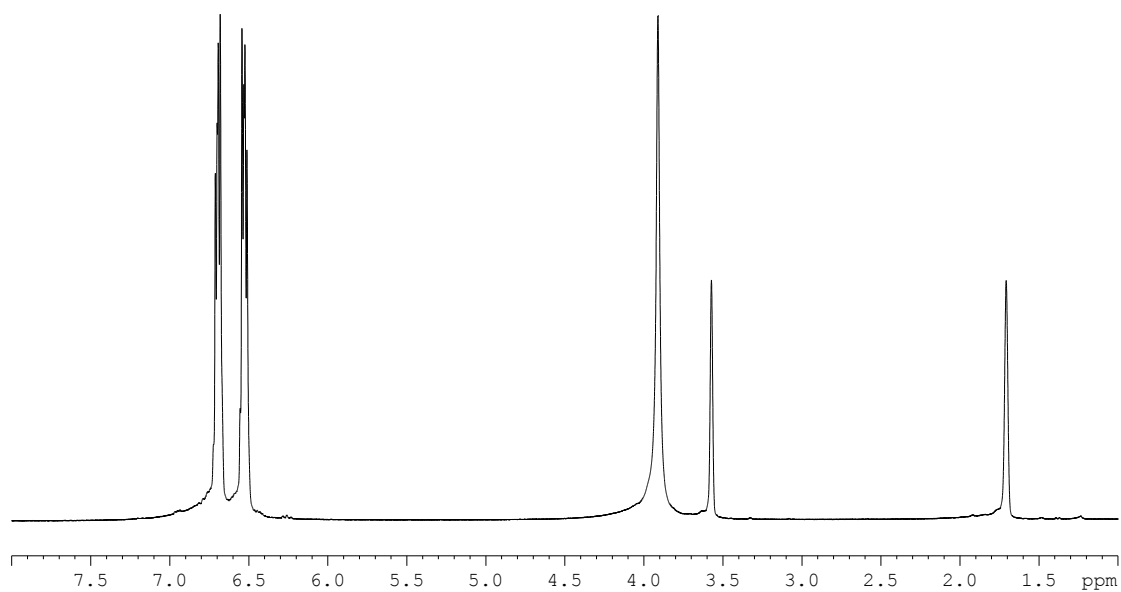


Figure S5: ^1H NMR spectrum of $\text{H}_2\text{O}_2\text{Ar}^1$ in 10% D_2O and 90% d_8 -THF (298 K).

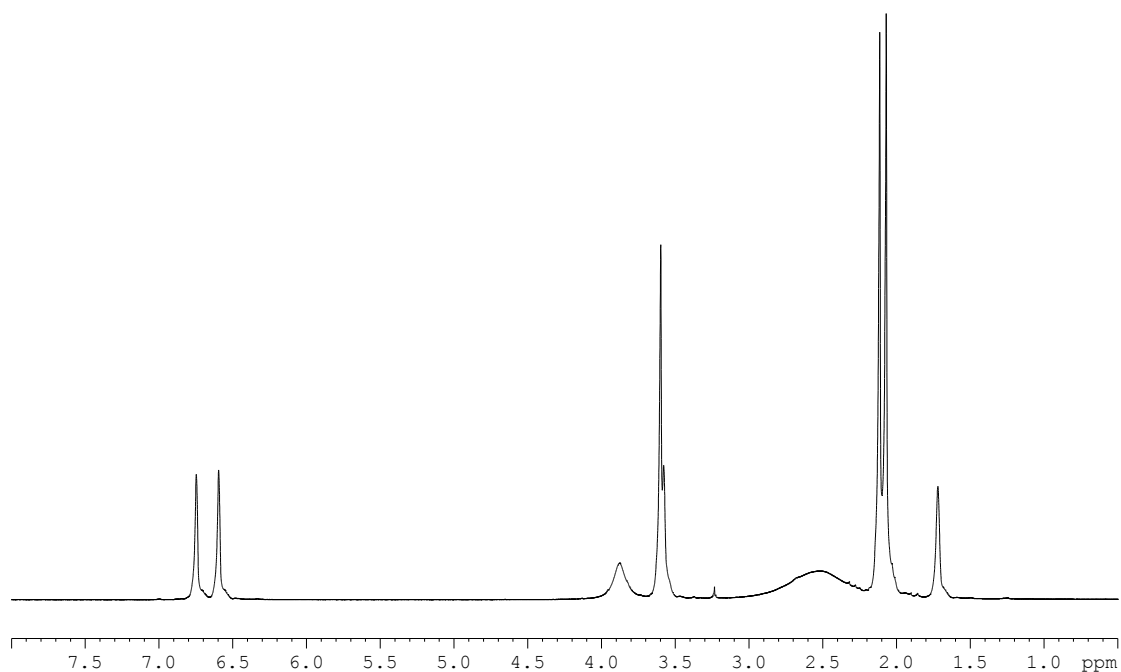


Figure S6: ^1H NMR spectrum of L^6H_2 in 10% D_2O and 90% $\text{d}_8\text{-THF}$ (298 K).

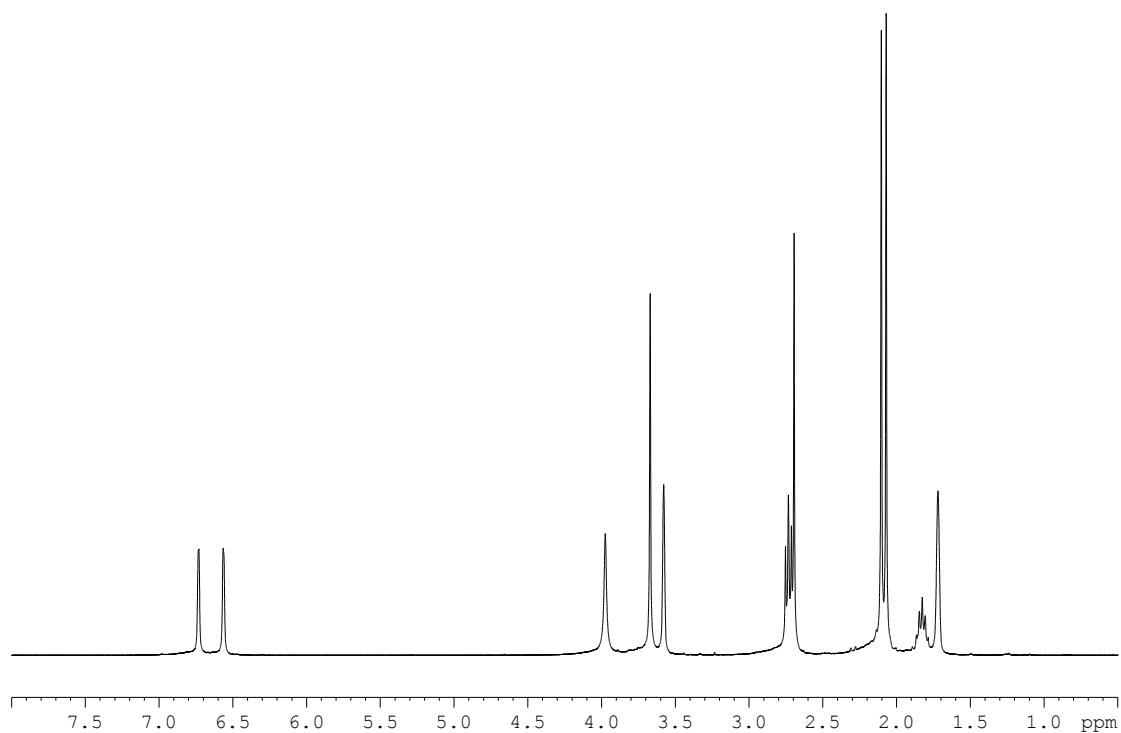


Figure S7: ^1H NMR spectrum of L^7H_2 in 10% D_2O and 90% $\text{d}_8\text{-THF}$ (298 K).