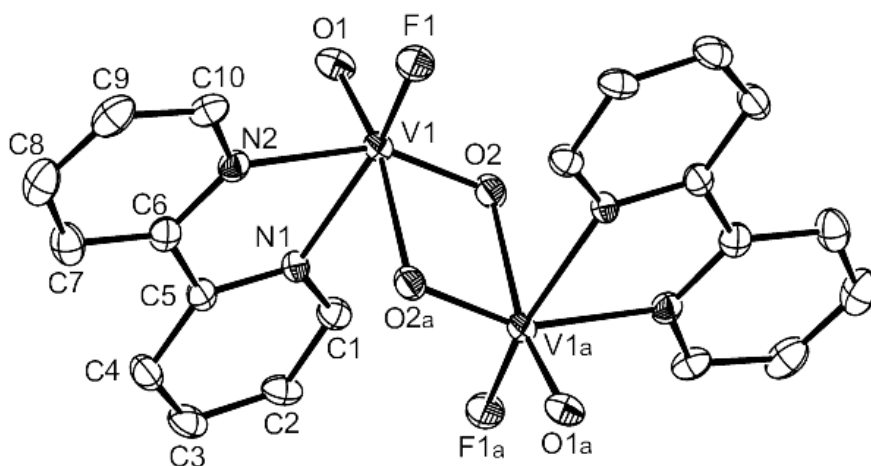


Electronic Supplementary Information:

Synthesis, chemistry and structures of complexes of the dioxovanadium(V) halides VO₂F and VO₂Cl

Martin F. Davis, Marek Jura, Alethea Leung, William Levason, Benjamin Littlefield, Gillian Reid and Michael Webster

Structure of the centrosymmetric dimer $[\{\text{VO}_2\text{F}(2,2'\text{-bipyridyl})\}_2]$ showing the atom labelling scheme. Displacement ellipsoids are drawn at the 50% probability level and H atoms are omitted for clarity. Symmetry operation: $a = 1 - x, 1 - y, 2 - z$.



Selected bond lengths (Å) and angles (°) for $[\{\text{VO}_2\text{F}(2,2'\text{-bipyridyl})\}_2]$.

V1–O1	1.621(3)	V1–O2	1.680(2)
V1–O2a	2.346(3)	V1–F1	1.816(2)
V1–N1	2.140(3)	V1–N2	2.200(3)
O1–V1–O2	107.02(13)	O1–V1–F1	101.56(12)
O2–V1–F1	104.15(11)	O2–V1–O2a	78.94(11)
N1–V1–N2	73.23(11)		