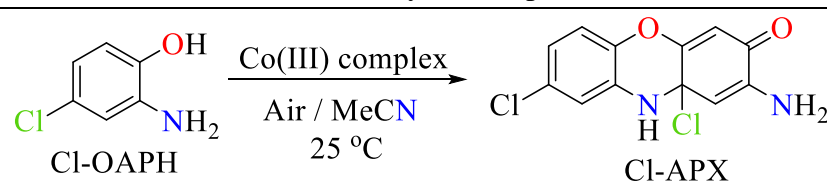


Supplementary Information

Table S1: Selected bond lengths (Å) and bond angles (°) around the metal centres of the studied complexes

Bonds	Length (Å) / Angles (°)			
	Co1.OAc.bpy	[Co1 ₂][Et ₃ NH]	Co2.OAc.bpy	Co2.dmap.w
Co1–N1	1.9680 (16)	1.9710 (16)	1.989 (4)	1.9957 (18)
Co1–N2			1.894 (4)	1.8617 (19)
Co1–N3	1.8937 (17)	1.9066 (15)		
Co1–N4	1.9757 (16)	2.0012 (16)	1.963 (4)	1.9320 (18)
Co1–N5/N1	1.9490 (16)	1.9710 (16)	1.953 (4)	2.0535 (18)
Co1–N6/N3	1.9412 (16)	1.9066 (15)	1.950 (4)	
Co1–O5/N4	1.8980 (13)	2.0013 (15)	1.906 (3)	1.9839 (17)
Co1–C14				1.978 (2)
N1–Co1–N4	169.77 (7)	170.95 (7)	170.55 (18)	174.26 (8)
C14/N6/1–Co1–N5/4	82.56 (7)	170.95 (7)	82.17 (17)	175.85 (8)

Table S2: Catalytic performance of Co1.OAc.bpy and Co2.OAc.bpy on the oxidation of Cl-OAPH to 2-amino-8,10a-dichloro-10,10a-dihydro-3H-phenoxazin-3-one (Cl-APX)



Complex	$10^3 \times V \text{ (h}^{-1}\text{)}$
No complex	0.45
Co1.OAc.bpy	32.06
Co2.OAc.bpy	26.06

Reaction conditions: Solvent (acetonitrile), catalyst (2.5×10^{-5} M), Cl-OAPH (2.5×10^{-3} M), temperature (25 °C).