Electronic Supplementary Information for Dalton Transactions

Supplementary Data

Elemental Analysis of the PCPC host MV^{2+} − neutral guest clathrates

Neutral Guest	Formula	Calcd Found
o-Cresol	$[MV^{2+}][Cd_3(CN)_8(H_2O)_2]\bullet 2CH_3C_6H_4OH$ $C_{34}H_{34}N_{10}O_4Cd_3$	C, 41.50; H, 3.48; N, 14.24 C, 40.8; H, 3.53; N, 14.3
m-Cresol	$[MV^{2+}][Cd_3(CN)_8]\bullet 3/2CH_3C_6H_4OH\bullet 2H_2O$ $C_{61/2}H_{30}N_{10}O_{7/2}Cd_3$	C, 39.40; H, 3.25; N, 15.06 C, 39.2; H, 3.18; N, 14.7
p-Cresol	$[MV^{2+}][Cd_3(CN)_7Cl]\bullet 2CH_3C_6H_4OH$ $C_{33}H_{30}N_9O_2ClCd_3$	C, 41.40; H, 3.16; N, 13.17 C, 40.6; H, 3.31; N, 12.8
1-Methylnaphthalene	$[MV^{2+}][Cd_3(CN)_{6.384}Cl_{1.616}]\bullet C_{10}H_7CH_3$ $C_{29.384}H_{24}N_{8.384}Cl_{1.616}Cd_3$	C, 39.70; H, 2.72; N, 13.21 C, 40.0; H, 2.82; N, 13.5
1,2,4-Trimethoxybenzene	$[MV^{2+}]_{3/2}\,[Cd_5(CN)_{11.28}Cl_{1.72}]\bullet C_6H_3(OCH_3)_3$ $C_{38.28}H_{33}N_{14.28}O_3Cl_{1.72}Cd_5$	C, 33.71; H, 2.44; N, 14.66 C, 34.0; H, 2.50; N, 15.1
Pyrrole	$[MV^{2+}][Cd_{7/2}(CN)_9(H_2O)]\bullet C_4H_4NH$ $C_{25}H_{19}N_{12}OCd_{7/2}$	C, 33.40; H, 2.35; N, 18.70 C, 33.4; H, 2.36; N, 18.7
Aniline	$[MV^{2+}][Cd_6(CN)_{14}(C_6H_5NH_2)]\bullet 2C_6H_5NH_2$ $C_{44}H_{35}N_{19}Cd_6$	C, 35.13; H, 2.35; N, 17.69 C, 34.7; H, 2.34; N, 17.7