

Terbium and Europium Chlorocyananilate-Based 2D Coordination Polymers

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Crystal data for compound 4, $\text{Eu}_2(\text{ClCNAn})_3(\text{DMSO})_6$, derived from XRPD analysis.

Cell $a = 9.704(1)$, $b = 9.710(1)$, $c = 14.146(1)$ Å,
 $\alpha = 84.003(6)$, $\beta = 97.145(6)$, $\gamma = 78.526(5)$ °

Cell Volume: $V = 1284.6(4)$ Å³

Crystal System: Triclinic

Space Group: P-1

Fractional atomic coordinated for compound 4, $\text{Eu}_2(\text{ClCNAn})_3(\text{DMSO})_6$, derived from XRPD analysis.

site	Eu	x	0.67059	y	0.76545	z	0.27392
site	C1	x	-0.07873	y	0.38790	z	0.50553
site	C2	x	-0.12233	y	0.50257	z	0.43207
site	C3	x	-0.03870	y	0.62163	z	0.42620
site	O1	x	-0.22912	y	0.50832	z	0.37124
site	O2	x	-0.07763	y	0.72401	z	0.36061
site	C7	x	-0.15747	y	0.27580	z	0.51105
site	N1	x	-0.21991	y	0.18690	z	0.51544
site	Cl1	x	-0.17376	y	0.25261	z	0.51220

site	C1a	x	0.61443	y	-0.09135	z	0.56767
site	C2a	x	0.52954	y	0.02603	z	0.59701
site	C3a	x	0.40801	y	0.12304	z	0.52513
site	O1a	x	0.55240	y	0.05208	z	0.68153
site	O2a	x	0.33221	y	0.22784	z	0.55132
site	C7a	x	0.72887	y	-0.18269	z	0.63534
site	N1a	x	0.81963	y	-0.25514	z	0.68902
site	C11a	x	0.75254	y	-0.20159	z	0.64935
site	C1b	x	0.63944	y	0.01629	z	-0.01963
site	C2b	x	0.51787	y	0.08608	z	-0.08370
site	C3b	x	0.36977	y	0.06878	z	-0.06285
site	O1b	x	0.52953	y	0.16243	z	-0.15783
site	O2b	x	0.26122	y	0.13109	z	-0.12006
site	C7b	x	0.77889	y	0.03258	z	-0.03926
site	N1b	x	0.88948	y	0.04550	z	-0.05483
site	C11b	x	0.80774	y	0.03595	z	-0.04332
site	O01	x	0.50419	y	0.37178	z	2.70007
site	S1	x	0.60409	y	0.49576	z	2.71327
site	C01	x	0.52443	y	0.61892	z	2.78177
site	C02	x	0.77372	y	0.41248	z	2.77096
site	H011	x	0.51888	y	0.57145	z	2.84295
site	H012	x	0.58026	y	0.68821	z	2.78915
site	H013	x	0.43168	y	0.66280	z	2.74975
site	H021	x	0.81548	y	0.34496	z	2.73310
site	H022	x	0.82954	y	0.48176	z	2.77833
site	H023	x	0.76658	y	0.36632	z	2.83221
site	O11	x	-3.70193	y	2.40385	z	0.83920
site	S2	x	-3.85967	y	2.43946	z	0.88188
site	C11	x	-3.97327	y	2.58137	z	0.80738
site	C12	x	-3.93354	y	2.29014	z	0.88297
site	H111	x	-3.98777	y	2.55674	z	0.74420
site	H112	x	-4.06142	y	2.60127	z	0.83123
site	H113	x	-3.93119	y	2.66176	z	0.80698
site	H121	x	-3.87002	y	2.21339	z	0.92336
site	H122	x	-4.02169	y	2.31005	z	0.90682
site	H123	x	-3.94829	y	2.26737	z	0.81930
site	O21	x	-5.27933	y	1.98208	z	0.28941
site	S3	x	-5.12803	y	2.04603	z	0.29802
site	C21	x	-5.04815	y	2.01645	z	0.41759
site	C22	x	-5.01344	y	1.95861	z	0.22756
site	H211	x	-5.02605	y	1.91743	z	0.43887
site	H212	x	-4.96360	y	2.05219	z	0.42240

site	H213	x	-5.11221	y	2.06396	z	0.45524
site	H221	x	-5.05876	y	1.97490	z	0.16268
site	H222	x	-4.92889	y	1.99435	z	0.23238
site	H223	x	-4.99156	y	1.85996	z	0.25006

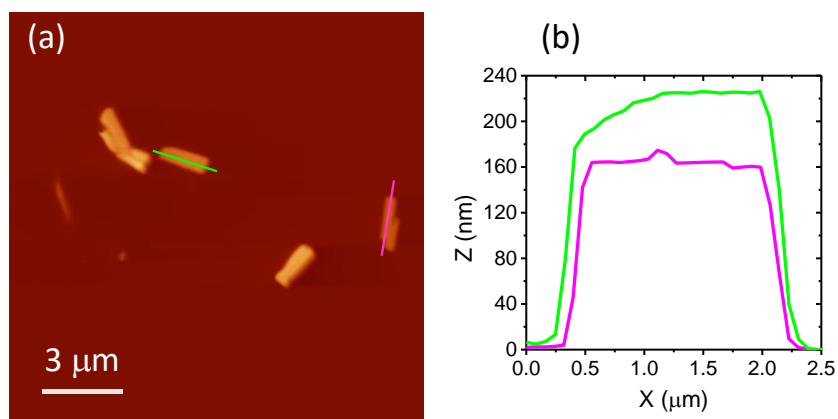


Figure S1. (a) AFM topographic image showing exfoliation of **1** at shorter sonication time than 15 min, with heights ranging in the hundreds of nanometers. (b) Height profiles obtained along the lines drawn in panel (a).