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Supporting information.

Table S1. IR spectra of parent compounds and complex **1**.

	C_{60}	Neutral Doubly bonded $(C_{60})_2$ dimer[1]	MDABCO·I	C_6H_5CN	$C_6H_4Cl_2$	**1**
$Zn^{II}TMPP$						433w 546m* 600m* 639w 658w* 714m* 794s 805s 847w 994s* 1032m* 1065w 1103w 1172s 1245s 1285m 1361w 1406s 1434m 1453s* 1506m 1522w 1571w 1606m
C_{60}	526s 576m 1182m 1429s	420w 479w 527s 549m 575m 612w 709w 726w 769w 796m 1186m 1426s 1462m				420w 482w 523w 546m* 568 573 576 sp. s 600m* 701w 714m - 794s - 1387 sp.s 1463m*
$Cation^+$			518m 692m 795m 843m 912m 986m 1001m 1055s 1113s 1195s 1465s			- - - - - 994s* - 1050w 1123w 1202w 1463m*
Solvents				554m 686w 754s 1445m 1490m	657w 748s 1030m 1122m 1453m	C_6H_5CN - 685m 754s* 1453s* 1487m $C_6H_4Cl_2$ 658w* 754s* 1032m* 1124w 1453s*

w- weak, m- middle, s- strong, sp. – split band

*- the bands coincide.

1 G-W. Wang, K. Komatsu, Y. Murata, M. Shiro, *Nature*, 1997, **387**, 583.

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IR-spectrum

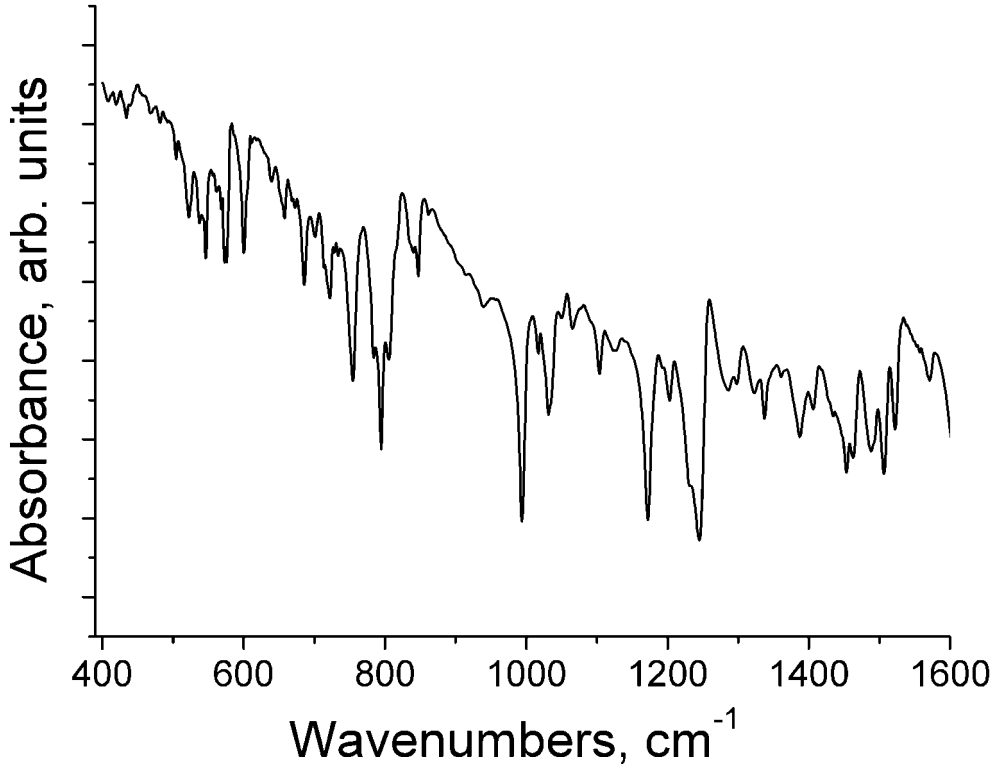

Figure 1S. IR-spectrum of **1** in the 400-1600 cm^{-1} range in KBr pellet.