Table 1 Cluster connectivities (Å)

	1 cage A	**1** cage B	**3** cage A	**3** cage B	**4** cage A	**4** cage B	**4** cage C [a]	**4** cage D [a]	**6** cage A	**6** cage B	**7** cage A	**7** cage B	**8** cage A	**8** cage B
C1−B2	1.5289(14)	1.5243(15)	1.557(8)	1.524(7)	1.530(3)	1.517(3)	1.521(3)	1.521(3)	1.597(7)	1.574(6)	1.536(9)	1.480(16)	1.539(4)	1.535(4)
C1−B3	1.5276(14)	1.5324(15)	1.527(8)	1.521(8)	1.536(3)	1.534(3)	1.535(3)	1.537(3)	1.588(7)	1.559(7)	1.543(10)	1.580(11)	1.534(4)	1.543(4)
C1−*M*4	2.0897(9)	2.0826(9)	2.012(5)	2.060(5)	2.0772(19)	2.0679(19)	2.0721(19)	2.0655(19)	2.208(4)	2.171(4)	2.063(6)	2.088(7)	2.062(3)	2.058(2)
C1−B5	1.7594(15)	1.7571(14)	1.770(8)	1.761(8)	1.738(3)	1.729(3)	1.741(3)	1.720(3)	1.692(8)	1.754(6)	1.751(9)	1.705(10)	1.758(4)	1.752(4)
B2−*M*4	2.2885(11)	2.2931(11)	2.205(6)	2.219(6)	2.267(2)	2.260(2)	2.264(2)	2.254(2)	2.420(5)	2.435(5)	2.279(6)	2.272(10)	2.309(3)	2.300(3)
B2−B5	1.9993(16)	2.0290(16)	1.963(8)	1.967(9)	2.060(3)	2.053(3)	2.069(3)	2.067(3)	1.893(10)	1.984(7)	1.992(10)	2.226(14)	1.985(4)	2.012(4)
B2−B6	1.8414(16)	1.8340(15)	1.850(8)	1.853(9)	1.781(3)	1.783(3)	1.782(3)	1.780(3)	1.780(7)	1.768(7)	1.807(10)	1.74(2)	1.826(4)	1.817(4)
B2−B9	1.7933(16)	1.8025(16)	1.770(9)	1.791(8)	1.813(3)	1.815(3)	1.824(3)	1.826(3)	1.784(7)	1.800(7)	1.777(10)	1.681(15)	1.775(4)	1.803(5)
B3−*M*4	2.2596(11)	2.2517(11)	2.231(5)	2.231(6)	2.248(2)	2.236(2)	2.241(2)	2.230(2)	2.397(5)	2.411(5)	2.290(7)	2.273(7)	2.274(3)	2.275(3)
B3−B5	2.0239(15)	1.9943(16)	2.086(8)	2.095(8)	2.001(3)	1.994(3)	1.994(3)	1.978(3)	2.239(7)	2.008(7)	2.002(10)	1.903(11)	2.022(4)	1.979(4)
B3−B7	1.8267(16)	1.8247(14)	1.870(8)	1.846(9)	1.800(3)	1.796(3)	1.800(3)	1.796(3)	1.785(7)	1.778(9)	1.811(11)	1.813(9)	1.809(4)	1.817(4)
B3−B8	1.8040(16)	1.7949(16)	1.815(8)	1.824(8)	1.793(3)	1.794(3)	1.795(3)	1.794(3)	1.790(7)	1.790(8)	1.784(10)	1.780(10)	1.798(4)	1.780(4)
*M*4−B6	2.2147(10)	2.2218(11)	2.277(6)	2.212(6)	2.223(2)	2.231(2)	2.221(2)	2.220(2)	2.399(6)	2.382(5)	2.242(7)	2.209(10)	2.235(3)	2.247(3)
*M*4−B7	2.2044(10)	2.1972(11)	2.472(5)	2.306(6)	2.203(2)	2.204(2)	2.203(2)	2.206(2)	2.407(5)	2.392(5)	2.240(7)	2.254(7)	2.231(3)	2.233(3)
*M*4−C10	2.1745(9)	2.1618(9)	2.662(5)	2.389(5)	2.1350(19)	2.149(2)	2.1343(19)	2.146(2)	2.244(5)	2.285(4)	2.173(6)	2.111(6)	2.164(3)	2.159(3)
B5−B8	1.8929(15)	1.8960(16)	1.935(9)	1.926(8)	1.903(3)	1.905(3)	1.907(3)	1.907(3)	2.204(8)	1.933(8)	1.917(11)	1.830(10)	1.899(4)	1.910(4)
B5−B9	1.8947(15)	1.9067(16)	1.876(8)	1.877(9)	1.920(3)	1.906(3)	1.913(3)	1.907(3)	1.816(9)	1.914(7)	1.914(11)	2.062(16)	1.902(4)	1.914(4)
B5−B11	1.7966(15)	1.7879(15)	1.789(9)	1.801(9)	1.801(3)	1.798(3)	1.794(3)	1.794(3)	1.752(13)	1.832(7)	1.808(10)	1.761(12)	1.814(4)	1.817(4)
B6−B9	1.7611(15)	1.7631(16)	1.789(8)	1.792(9)	1.769(3)	1.759(3)	1.773(3)	1.773(3)	1.778(7)	1.780(7)	1.757(10)	1.831(16)	1.765(4)	1.761(4)
B6−C10	1.6736(14)	1.6707(15)	1.679(7)	1.673(8)	1.687(3)	1.689(3)	1.682(3)	1.676(3)	1.637(8)	1.686(7)	1.677(10)	1.701(15)	1.671(4)	1.672(4)
B6−B12	1.7616(15)	1.7580(16)	1.817(8)	1.794(9)	1.764(3)	1.763(3)	1.758(3)	1.762(3)	1.748(9)	1.787(7)	1.770(10)	1.620(16)	1.756(4)	1.761(4)
B7−B8	1.7616(15)	1.7621(16)	1.745(8)	1.767(9)	1.769(3)	1.771(3)	1.767(3)	1.771(3)	1.755(7)	1.772(7)	1.755(10)	1.767(9)	1.763(4)	1.763(4)
B7−C10	1.6748(14)	1.6776(15)	1.621(7)	1.637(8)	1.685(3)	1.680(3)	1.682(3)	1.676(3)	1.640(7)	1.671(8)	1.671(10)	1.622(10)	1.671(4)	1.675(4)
B7−B13	1.7613(15)	1.7612(16)	1.792(8)	1.784(9)	1.762(3)	1.774(3)	1.768(3)	1.779(3)	1.761(8)	1.762(8)	1.758(10)	1.843(12)	1.771(4)	1.761(4)
B8−B11	1.7541(15)	1.7605(16)	1.787(8)	1.763(8)	1.761(3)	1.760(3)	1.759(3)	1.753(3)	1.738(9)	1.760(8)	1.756(10)	1.738(11)	1.759(4)	1.765(4)
B8−B13	1.7427(16)	1.7364(16)	1.740(9)	1.740(9)	1.724(3)	1.730(3)	1.729(3)	1.726(3)	1.738(9)	1.748(8)	1.722(11)	1.796(12)	1.739(4)	1.739(4)
B9−B11	1.7533(15)	1.7521(16)	1.776(8)	1.776(9)	1.758(3)	1.752(3)	1.756(3)	1.756(3)	1.714(8)	1.756(8)	1.762(10)	1.679(14)	1.758(4)	1.754(4)
B9−B12	1.7426(16)	1.7436(16)	1.739(8)	1.745(10)	1.730(3)	1.738(3)	1.728(3)	1.741(3)	1.675(10)	1.745(8)	1.732(10)	1.58(2)	1.742(4)	1.744(4)
C10−B12	1.7145(14)	1.7188(15)	1.684(8)	1.692(9)	1.723(3)	1.733(3)	1.721(3)	1.730(3)	1.881(9)	1.736(7)	1.738(9)	1.988(16)	1.734(4)	1.731(4)
C10−B13	1.7241(14)	1.7201(15)	1.694(7)	1.718(8)	1.721(3)	1.725(3)	1.720(3)	1.724(3)	1.725(9)	1.763(7)	1.730(9)	1.661(11)	1.743(4)	1.736(4)
B11−B12	1.7867(16)	1.7841(16)	1.795(8)	1.809(9)	1.777(3)	1.777(3)	1.778(3)	1.783(3)	1.926(12)	1.781(7)	1.776(10)	1.782(16)	1.785(4)	1.784(4)
B11−B13	1.7869(15)	1.7866(16)	1.775(9)	1.787(10)	1.778(3)	1.785(3)	1.777(3)	1.776(3)	1.759(13)	1.782(7)	1.772(10)	1.764(13)	1.779(4)	1.782(4)
B12−B13	1.7478(15)	1.7448(17)	1.762(8)	1.767(9)	1.759(3)	1.753(3)	1.755(3)	1.753(3)	1.616(13)	1.750(8)	1.738(11)	1.608(19)	1.755(4)	1.745(5)

[a] In **4** there are two crystallographically independent molecules in the asymmetric fraction of the unit cell