Selective synthesis of the C_{3v} -isomer of $C_{60}H_{18}$

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IR spectroscopy proved high purity of $C_{60}H_{18}$ material. A number of sharp peaks was observed in IR spectrum of the sample, which are in good agreement with literature data reported for $C_{60}H_{18}$ previously¹. Peaks due to C-H vibrations were found at 2847, 2882 (weak), 2897, 2925. Other distinct peaks were found (compared to those reported by Darwish at): 1608 (1610), 1498, 1469 (1471), 1417, 1333, 1315, 1298, 1271 (1272), 1264, 1243 (1243), 1219 (1220), 1199 (1201), 1178 (1179), 767, 729, 702, 659, 641, 607, 600 (601), 573 (574), 542 (544), 534 (535), 511, 505 (502), 483 (484), 475 (476), 462 (463) cm^{-1} .

Figure S1 IR spectrum of $C_{60}H_{18}$ sample.

1. Darwish, A. D.; Avent, A. G.; Taylor, R.; Walton, D. R. M. *Journal of the Chemical Society-Perkin Transactions 2* 1996, 2051.