Supplementary Material (ESI) for Organic & Biomolecular Chemistry

Supporting Information

Aromatic Tripodal Receptor for (C_{60}-I_h)[5,6]Fullerene

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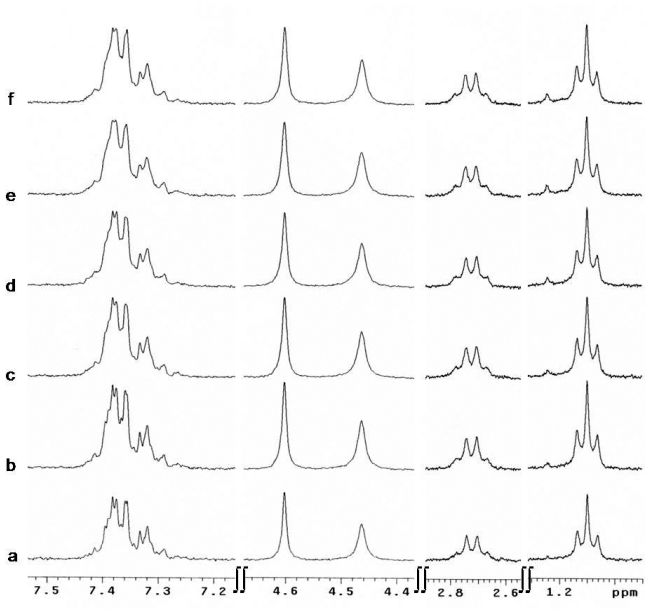

Figure S1. ^{1}H-NMR spectra (200 MHz, $Cl_2CDCDCl_2$) of: (a) **3H** 1.92 mM; (b-f) portion-wise addition of increasing amounts of fullerene up to 5.5 mM (saturated solution).

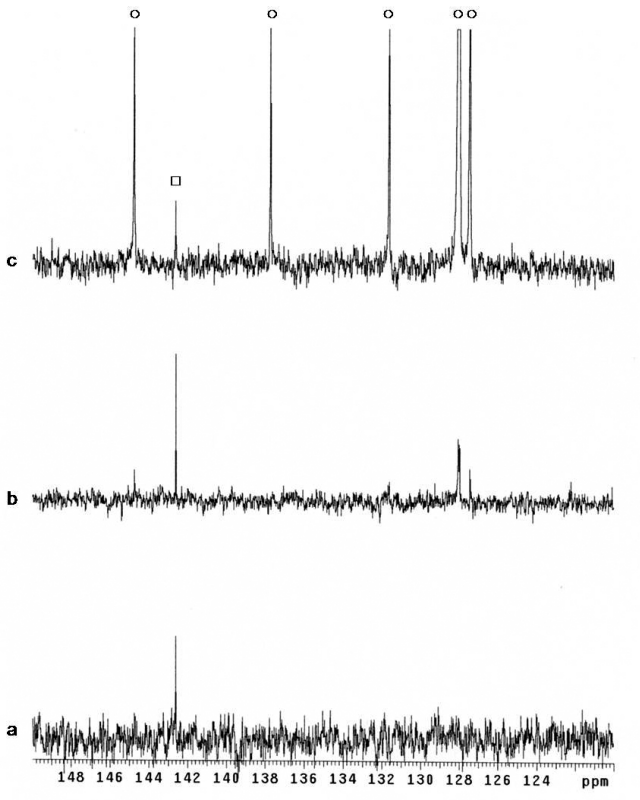

Figure S2. ^{13}C-NMR spectra (50 MHz, $Cl_2CDCDCl_2$) of: (a) fullerene 5.5 mM. **3H**, 0.475 mM; (b) fullerene 5.5 mM. **3H**, 1.92 mM; (c) fullerene 5.5 mM. **3H**, 85 mM. (○) Fullerene; (□) **3H**.

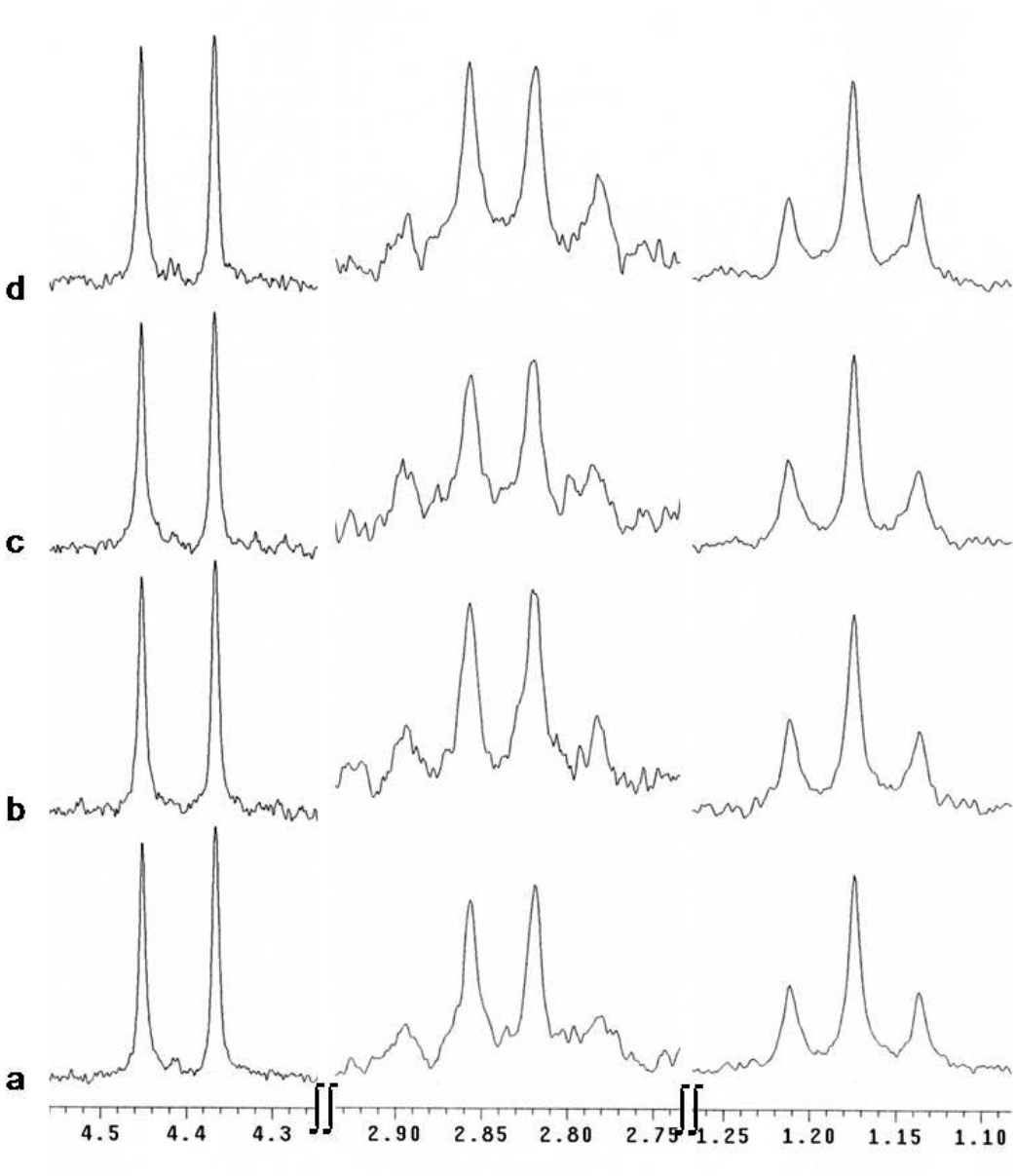

Figure S3. ^{1}H-NMR spectra (200 MHz, toluene-d8) of: (a) **3H** 0.31 mM; (b-d) portionwise addition of increasing amounts of fullerene up to 4.0 mM (saturated solution).

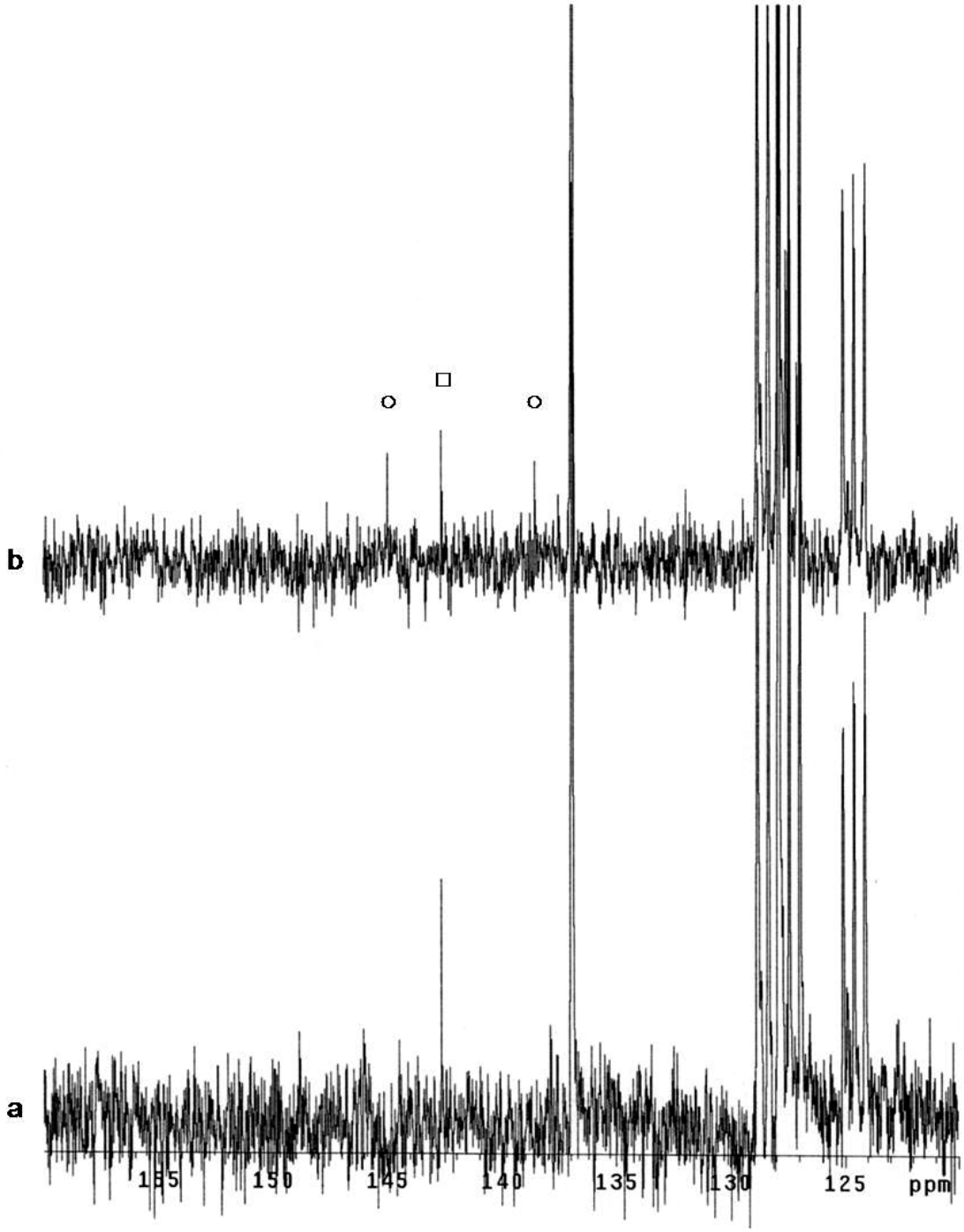

Figure S4. ^{13}C-NMR spectra (50 MHz, toluene-d8) of: (a) fullerene (4.0 mM) and **3H** (4.0 mM); (b) fullerene (4.0 mM) and **3H** (30.0 mM). (□) Fullerene; (○) **3H**.

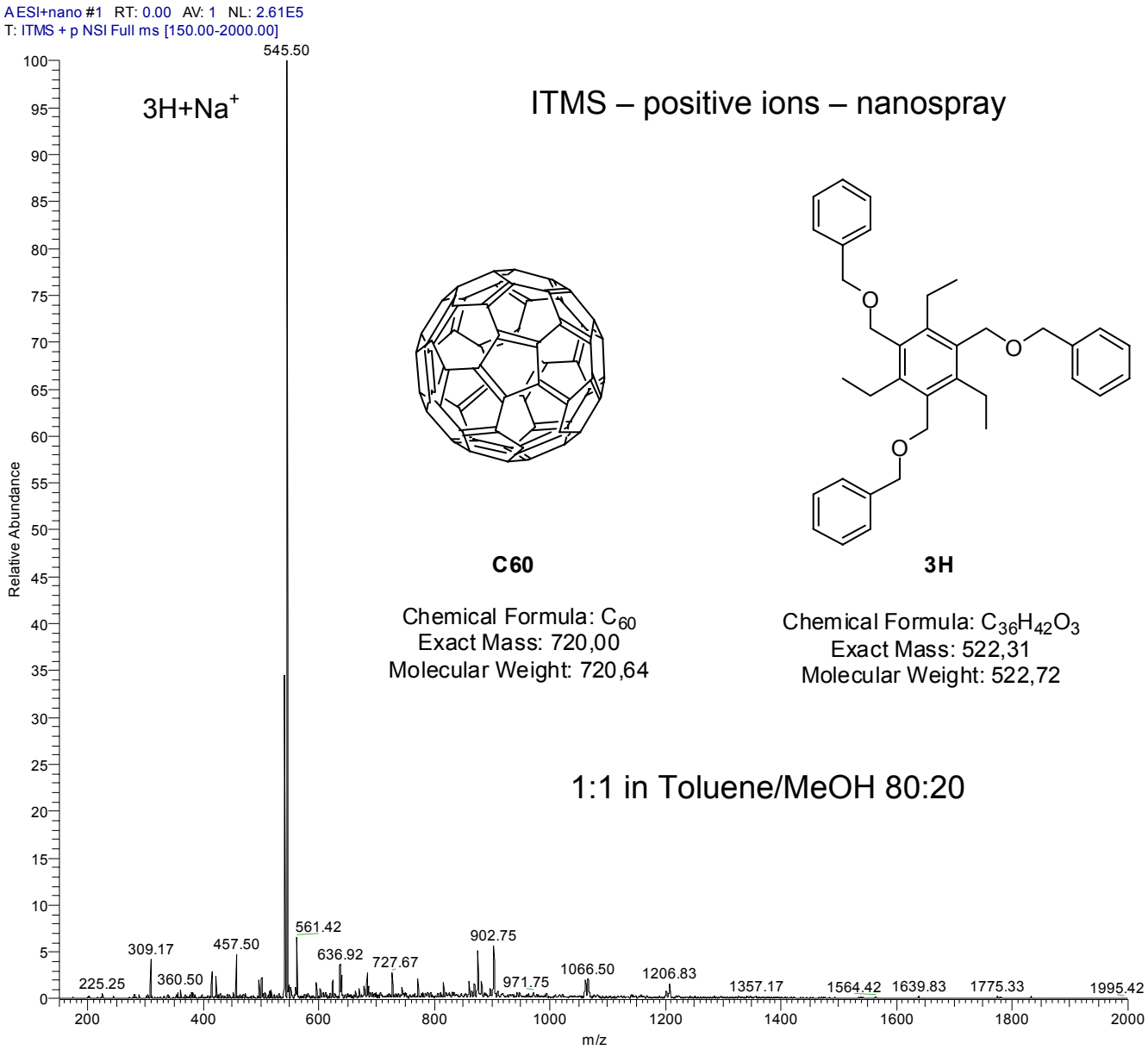

Figure S5. ESI-MS-ion-trap (positive mode). Nano injection of equimolar solution (0.222 mM) of C_{60} and 3H in toluene/methanol 80:20.

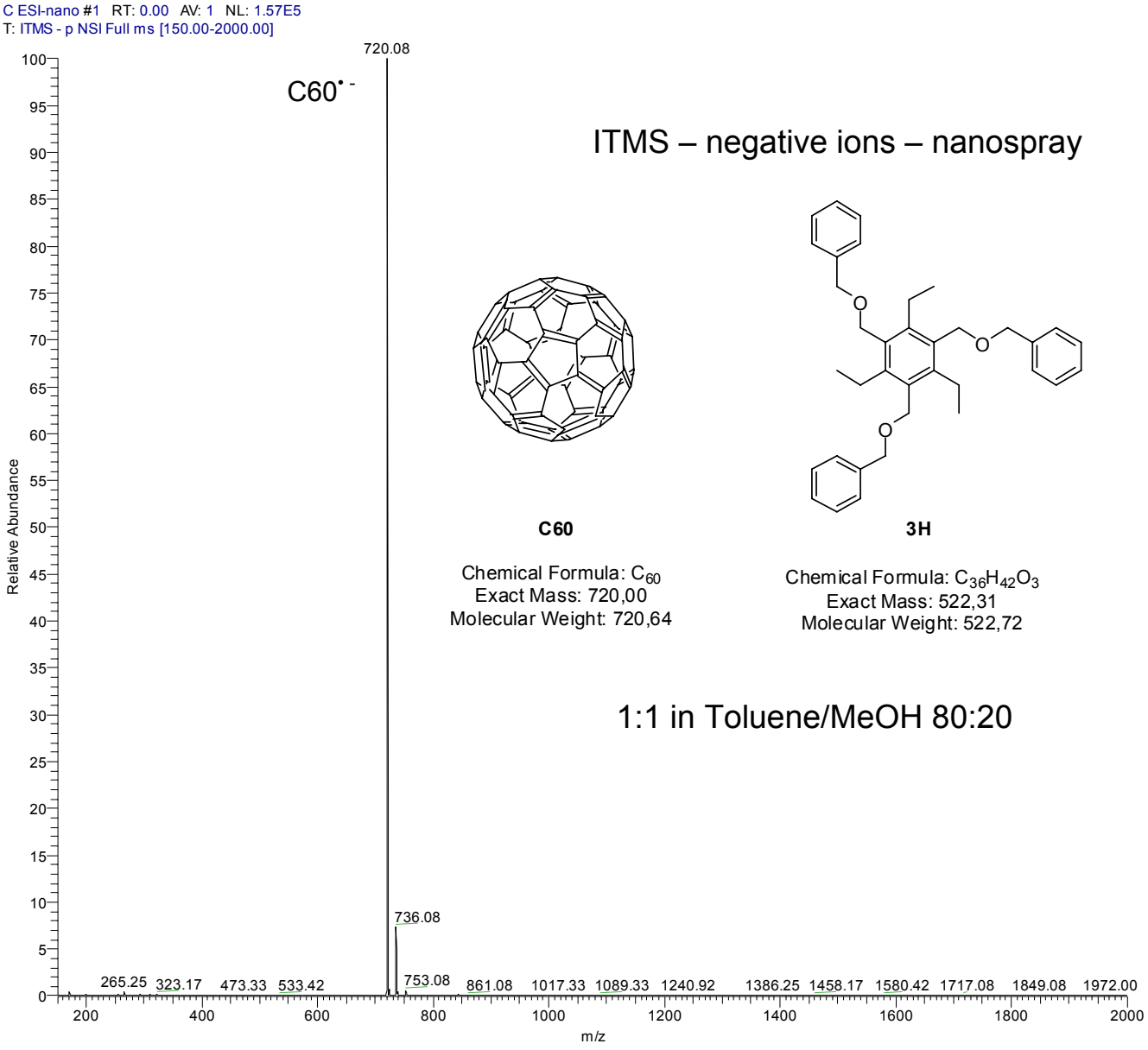

Figure S6. ESI-MS-ion-trap (negative mode). Nano injection of equimolar solution (0.222 mM) of C_{60} and 3H in toluene/methanol 80:20.