

2-(2,3,4,5,6-Pentafluorophenyl)-1*H*-benzo[*d*]imidazole, A Fluorine-Rich Building Block for the Preparation of Conjugated Polymer Donors for Organic Solar Cells Applications

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SUPPORTING INFORMATION

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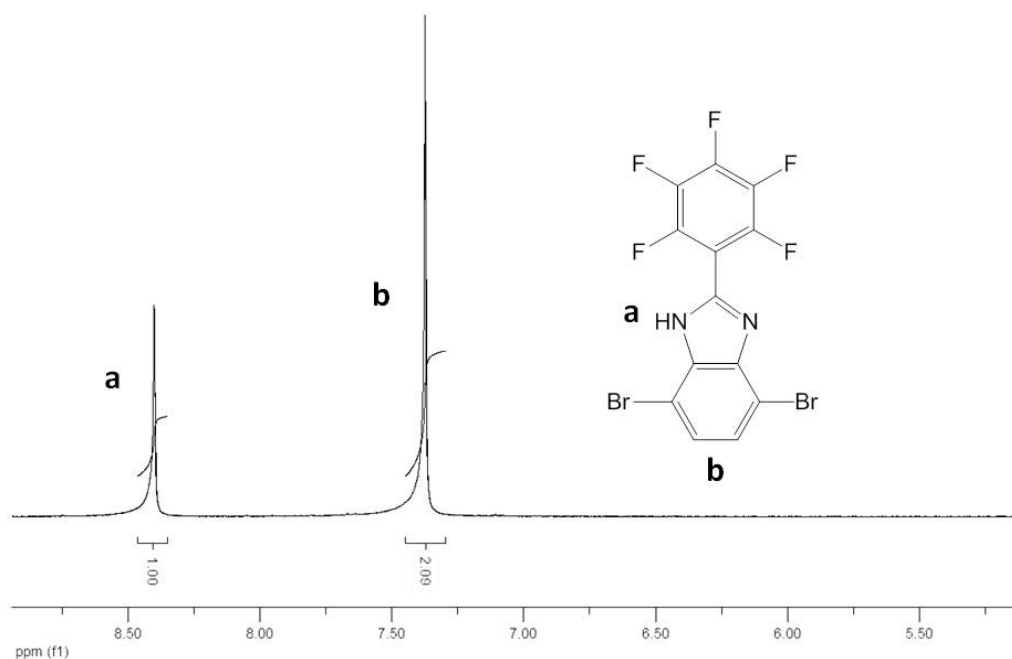


Figure S1. ¹H NMR of Brominated PFBZ (2) in DMSO-d₆

15

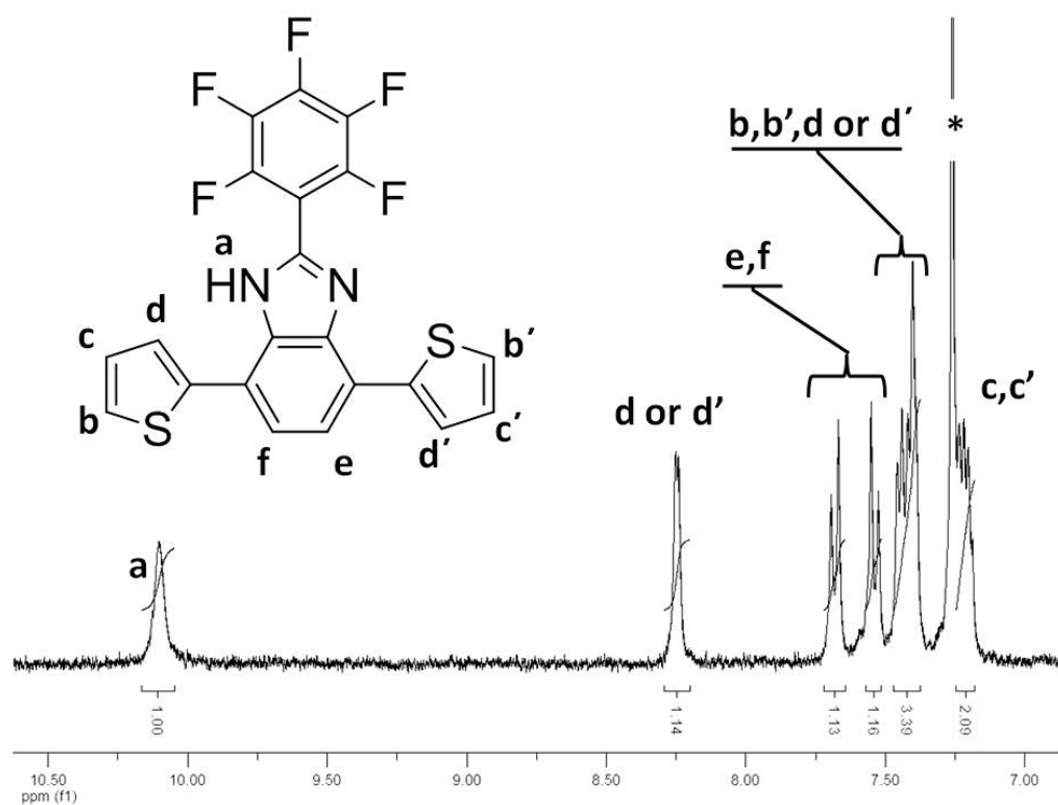


Figure S2. ^1H NMR of TFPBZT (3) in CDCl_3 .

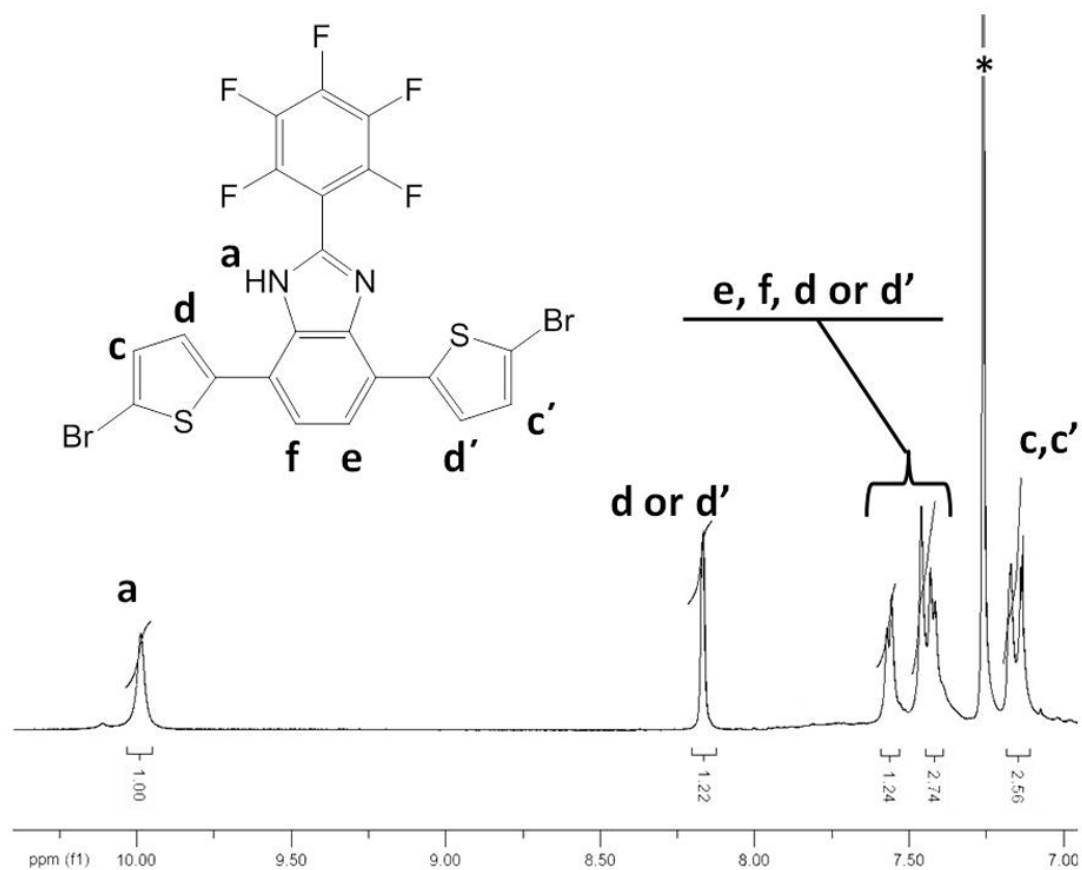


Figure S3. ^1H NMR of Br-TPFBZT (4) in CDCl_3 .

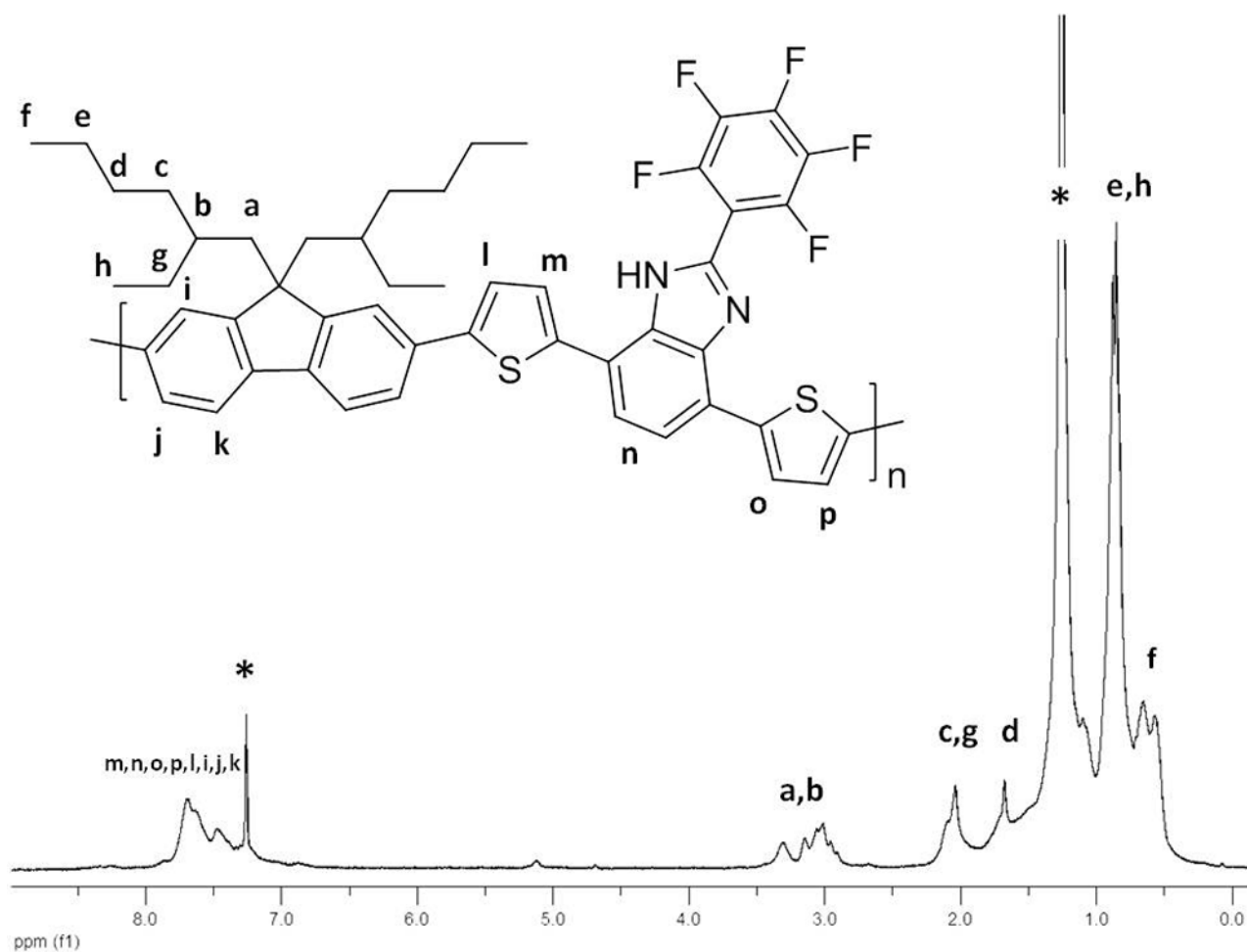


Figure S4. ^1H NMR of polymer PFTPFBZT in CDCl_3

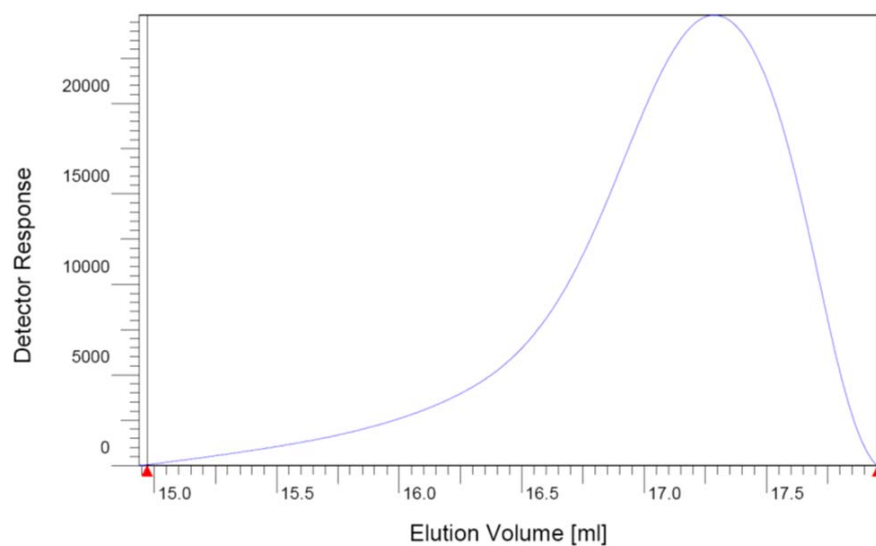
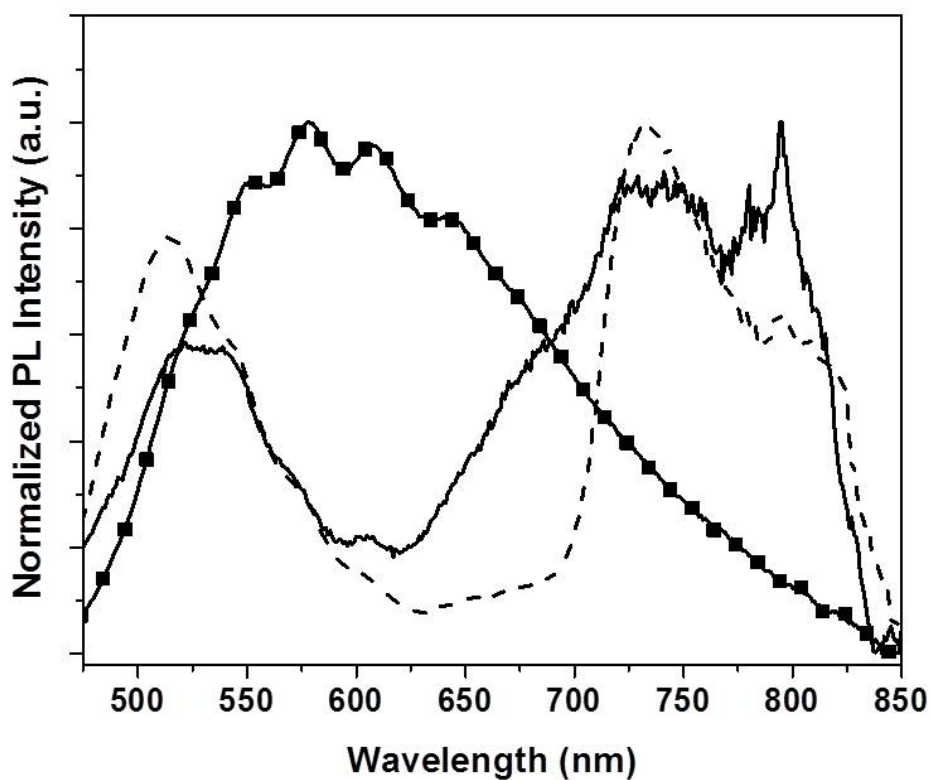


Figure S5. Size exclusion chromatogram of polymer PFTPFBZT.



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Figure S6. Normalized emission spectra of the pristine PFTPFBZT in solid state (—■—), pristine PCBM (dashed line) and the polymer fullerene blend (solid line). Excitation wavelength is at 450 nm.

Computational Parameters

Table S1. Computational output parameters for 2-(2,3,4,5,6-pentafluorophenyl)-1*H*-benz[d]imidazole (**1**, PFBZ).

```
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