

Electronic supplementary information (ESI)

**Racemic Charge-Transfer Complexes of Helical Polycyclic
Aromatic Hydrocarbon Molecule**

**Yukihiro Yoshida,^{*ab} Yuto Nakamura,^c Hideo Kishida,^c Hiromi Hayama,^a
Yoshiaki Nakano,^{bd} Hideki Yamochi^{bd} and Gunzi Saito^{ae}**

^a *Faculty of Agriculture, Meijo University, Nagoya 468-8502, Japan*

^b *Division of Chemistry, Graduate School of Science, Kyoto University, Kyoto 606-8502,
Japan*

^c *Department of Applied Physics, Nagoya University, Nagoya 464-8603, Japan*

^d *Research Center for Low Temperature and Materials Sciences, Kyoto University, Sakyo-
ku, Kyoto 606-8501, Japan*

^e *Toyota Physical and Chemical Research Institute, Nagakute 480-1192, Japan*

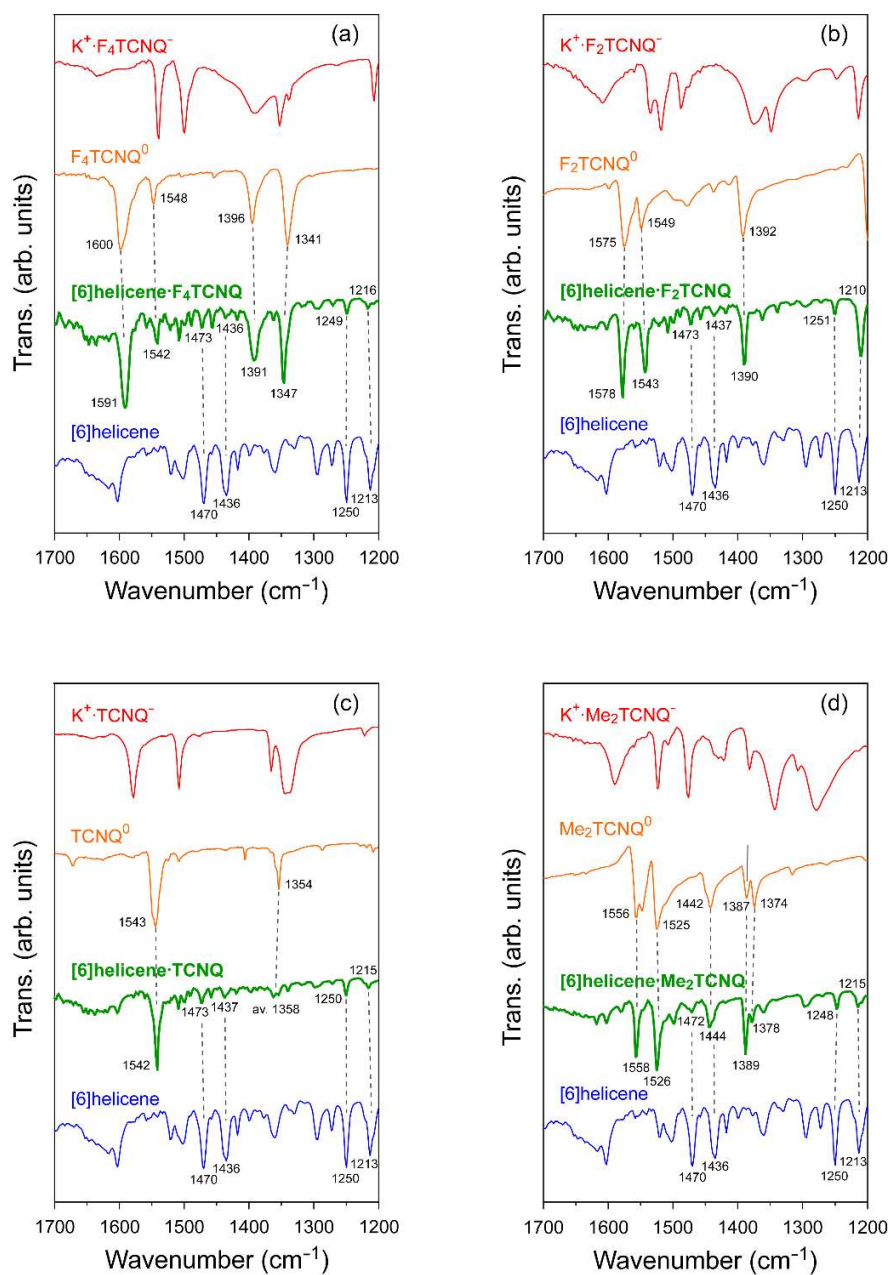


Fig. S1 FT-IR spectra of [6]helicene-based CT complexes combined with (a) F₄TCNQ (**1**), (b) F₂TCNQ (**2**), (c) TCNQ (**3**), and (d) Me₂TCNQ (**4**) (green lines), together with corresponding monoanionic TCNQ species (red lines), neutral TCNQ species (orange lines), and neutral [6]helicene (blue lines), measured in the dispersed KBr pellet.