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Dual Donor-π-Acceptor Type Organic Dyes for Efficient Dye-

Sensitized Solar Cells

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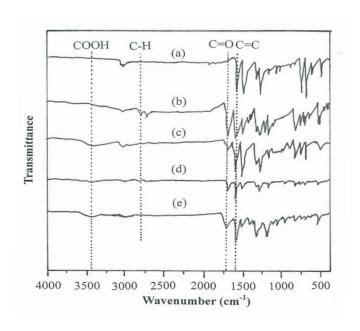


Figure 1S. FTIR spectra of (a) TPA, (b) 1, (c) 2, (d) TSC2, and (e) STPA-2 compounds in Scheme 1.