Electronic Supplementary Information (ESI)

Title: Block Modification of Rod-Shaped π Conjugated Carbon Framework with Donor and Acceptor Groups Toward Highly Fluorescent Molecules: Synthesis and Emission Characteristics

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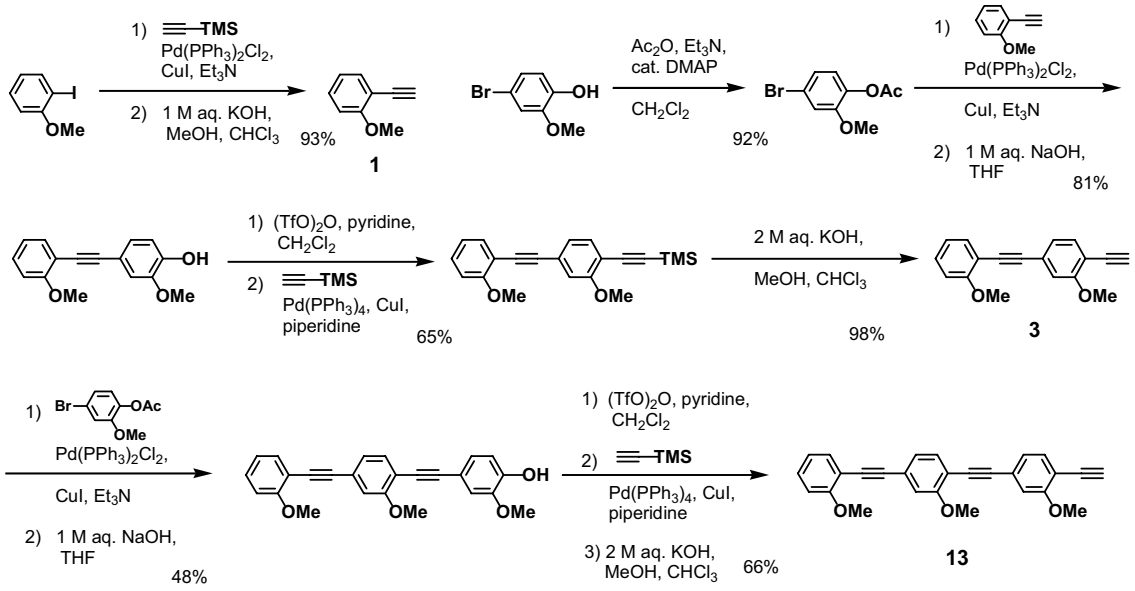
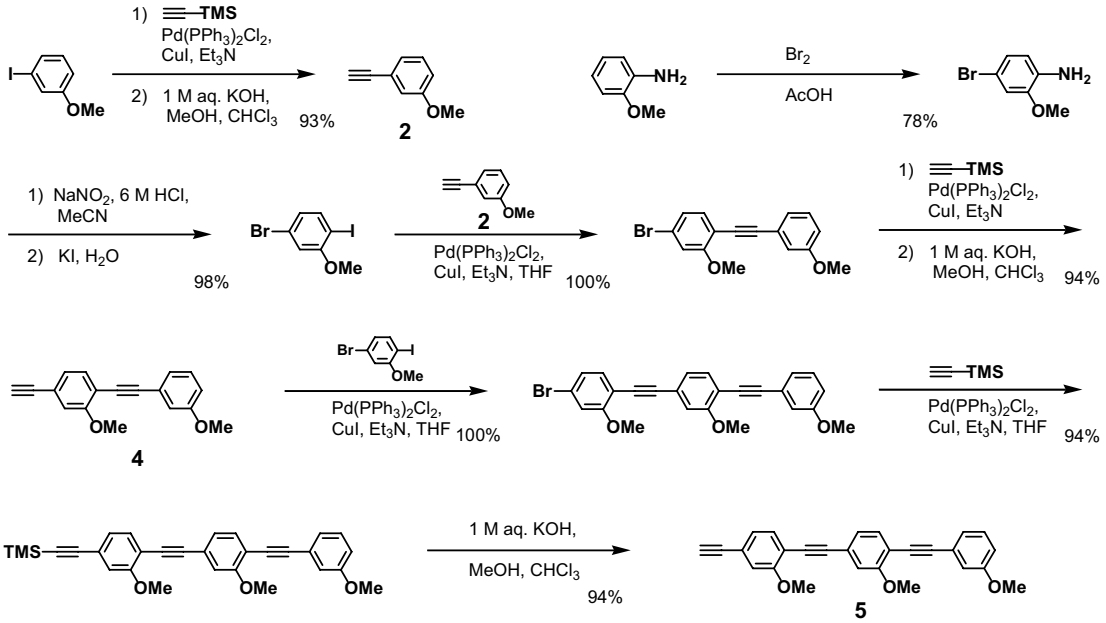
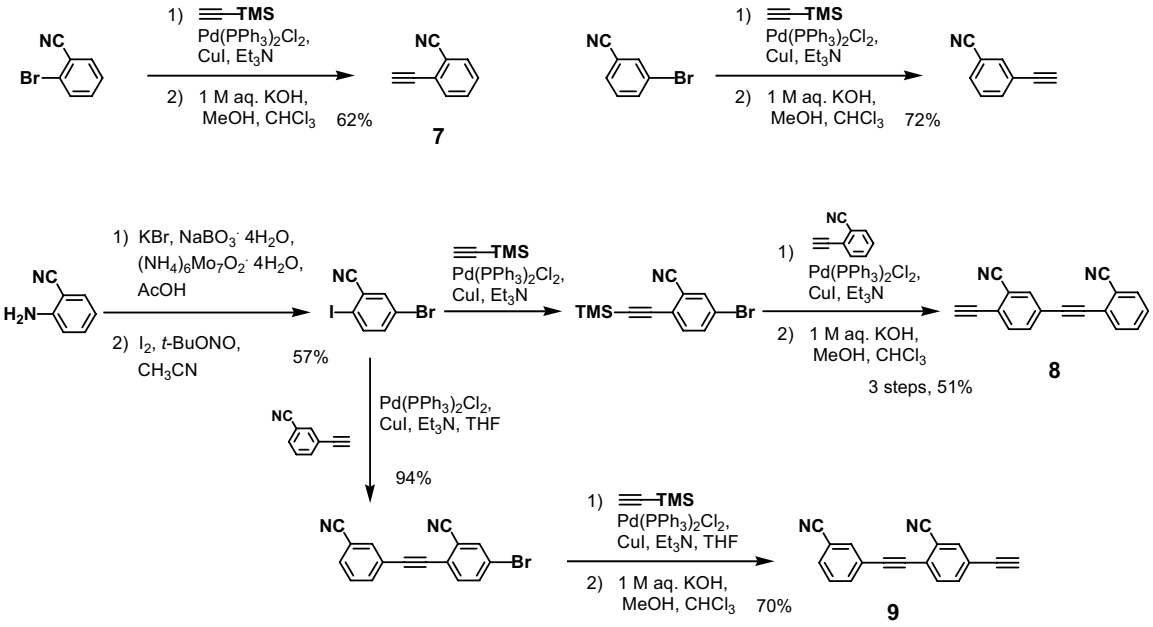
Synthetic routes of donor units (1 – 5 and 13)

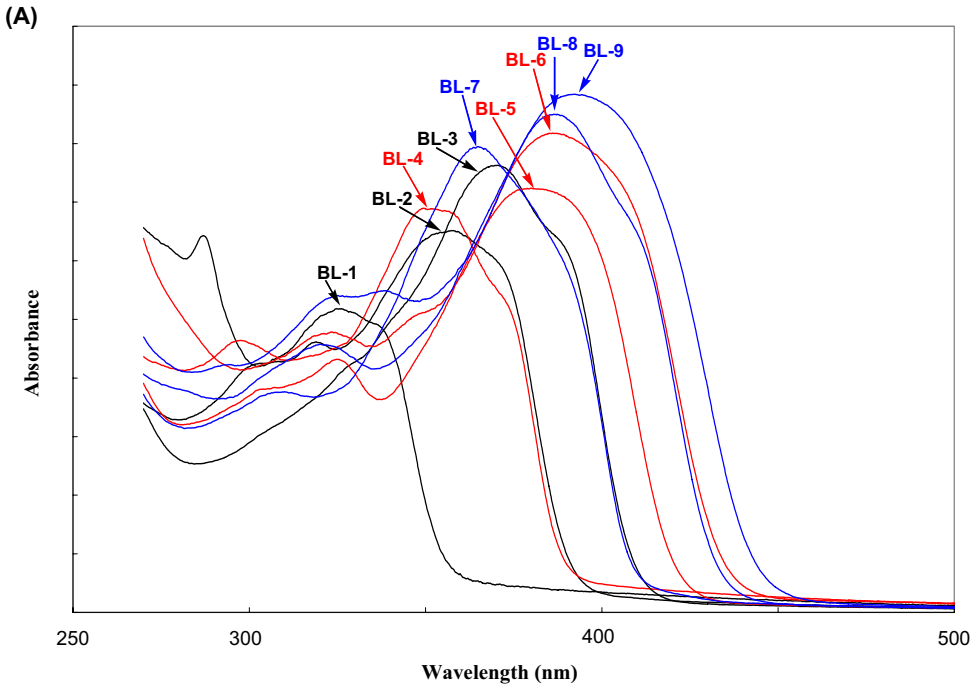


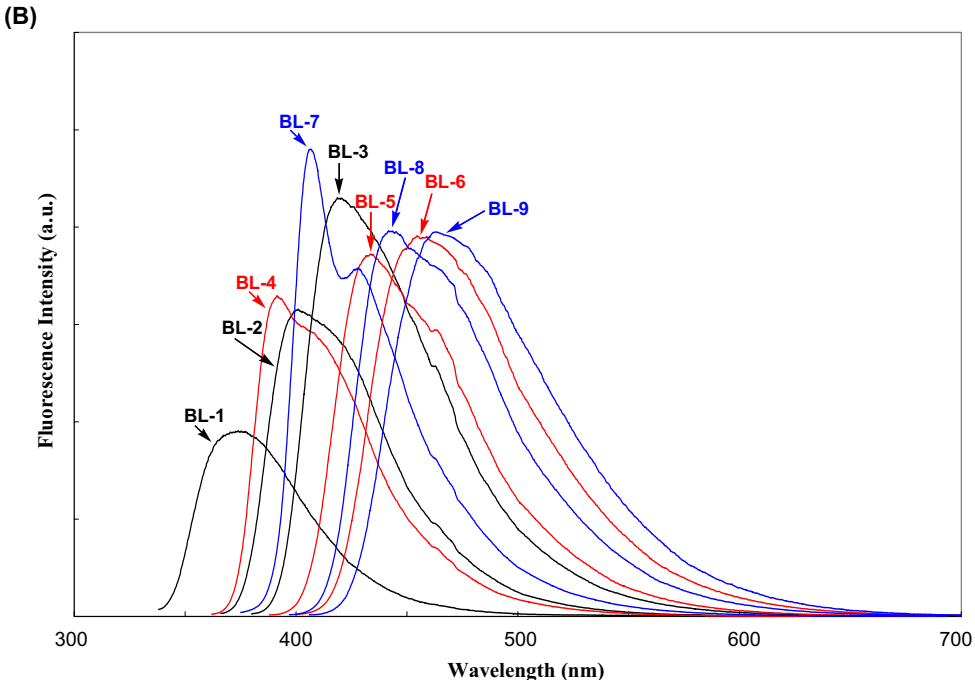


Synthetic routes of acceptor units (7 - 9)



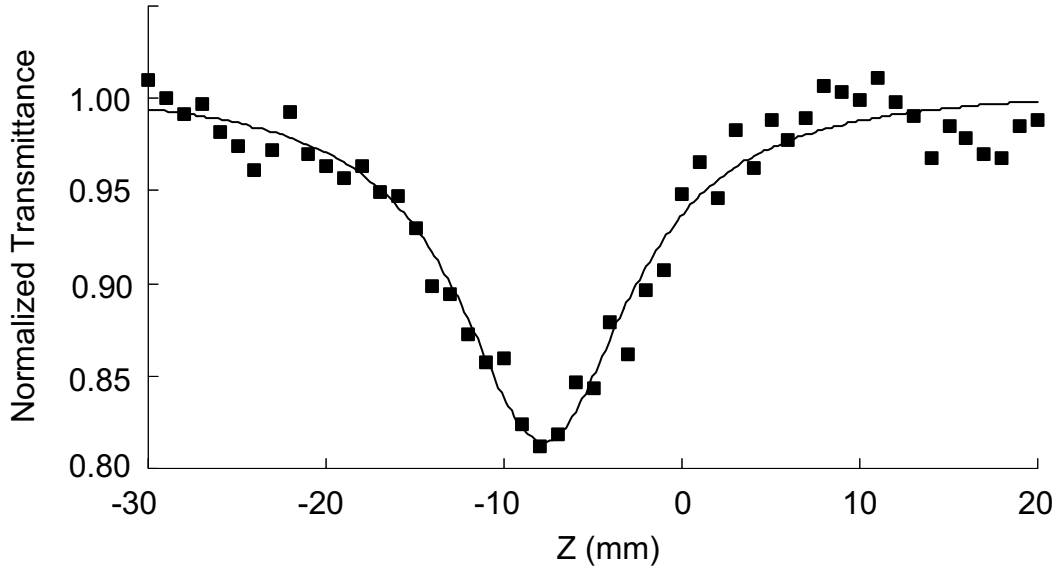
Absorption (A) and Fluorescence (B) Spectra of block modification system (BL-1 – BL-9) in $CHCl_3$





Typical Z-scan trace (■) and theoretically fitted curve (line) of 7 mM of BL-6 and BL-8 in pyridine.

BL-6



BL-8