

Synthesis of A Benzothiadiazole-Based D-A Molecule with Aggregation-induced Emission and Controlled Assembly Properties

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Materials and synthesis

All reagents and reactants were purchased commercially and used directly without further purification unless otherwise stated. Tetrahydrofuran and toluene were distilled freshly from sodium/benzophenone ketyl under N₂ before use. Compound **3** was synthesized according to previous reports (*Tetrahedron*, **2008**, 64, 8716-8720)

Supporting Figure

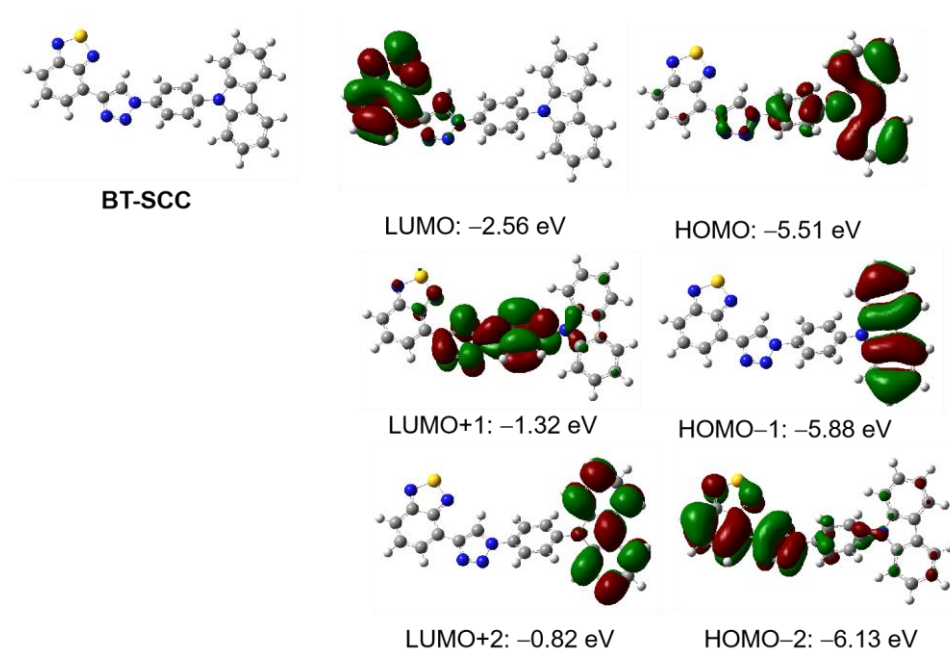


Figure S1. Frontier molecular orbitals of **BT-SCC** calculated by B3LYP/6-31G (d) level of theory