Benzothiazole fluorine–boron core complex: quantum luminescence controls

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Abstract

To control luminescence emission property, a novel series of strong fluorescent fluorin-boron complexes were synthesized in higher yield. The resulting structural analysis was completed. Small molecules with a built-in fluorine-boron core structural architecture has been attracted considered attention as the key emissive elements due to the their good properties such as bipolar charge transport and high photo efficiency. Thus, new type of fluorine-boron(F-B) complexes are designed and prepared. Changing the substituent position on fluorophore ring provided a deep understanding on the relationship between structure and optical properties.

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참고문헌

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