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## Synthesis and fluorescent properties of some benzothiazole derivatives synthesized *via* Suzuki cross coupling reaction

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Fifteen compounds containing benzothiazole have been synthesized successfully *via* Suzuki reaction of 2-(4-bromophenyl)benzothiazole **1** and phenylboronic acid derivatives in high yield. All samples display fluorescence emissions at wavelengths in the range of 380 to 450 nm under the excitation light of 330 nm. Compounds **2d**, **2e**, **2h** and **2k** exhibit quite good fluorescent property.

**Keywords:** Benzothiazole, Suzuki cross coupling reaction, Fluorescence, Fluorescent property