

催化、动力学与反应器

含有均二苯乙烯基的苯并二口恶唑衍生物的合成及荧光特性

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摘要

关键词 [苯并 \[1-2,4-5\] 二口恶唑](#); [有机合成](#); [荧光性质](#); [Wittig-Horner反应](#)

分类号

Synthesis and photo-luminescent properties of six novel benzodioxazole derivatives containing stilbenyl

Abstract

Six novel benzo [1-2, 4-5] dioxazole derivatives containing stilbenyl were designed and synthesized from substituted aromatic aldehyde/ketone and 2, 6-bis (4-chloromethyl phenylene) benzo [1-2, 4-5] dioxazole through the Wittig-Horner reaction, and their chemical structures were determined by spectra and elemental analysis. The effects of their chemical structures on the fluorescent properties and fluorescence quantum yield were investigated, and analytical results showed that three target compounds had blue light emitting characteristics and two target compounds could give off green light.

Key words [benzo \[1-2,4-5\] dioxazole](#); [organic synthesis](#); [photo-luminescence](#); [Wittig-Horner reaction](#)

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