

عنوان مقاله:

ONE-POT, THREE-COMPONENT SYNTHESIS OF 3-AMINOALKYLATED INDOLES USING B(HSO₄)₃

محل انتشار:

دومین همایش ملی تجهیزات و مواد آزمایشگاهی صنعت نفت ایران (سال: 1395)

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خلاصه مقاله:

A general and efficient method has been developed for the synthesis of 3-aminoalkylated indoles by a three-component coupling of indoles, aldehydes, and amines in the presence of tris(hydrogensulfato) boron as a catalyst at 90 °C. These conditions provide for simplified operation, easy purification, excellent yields and environmentally benign reaction condition. Also, this method avoids the use of expensive catalysts, toxic solvents and chromatographic separation.

کلمات کلیدی:

Indole, Boron, Aldehyde, Three-component reaction

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