

عنوان مقاله:

Synthesis of Benzimidazoles Using Polystyrene-Supported Chloroaluminate Ionic Liquid as a Polymeric Lewis Acid Catalyst

محل انتشار:

اولین همایش ملی فناوری های نوین در شیمی و مهندسی شیمی (سال: 1392)

تعداد صفحات اصل مقاله: 6

نویسندگان:

Kaveh Parvanak Boroujeni - Iran, Shahrekord ۱۱۵, Shahrekord University, Department of Chemistry

Pegah Shojaei - Iran, Shahrekord ۱۱۵, Shahrekord University, Department of Chemistry

خلاصه مقاله:

Polystyrene-supported chloroaluminate ionic liquid was prepared from the reaction of Merrifield resin with 1-methylimidazole followed by reaction with aluminium chloride. This catalyst was used as a new chemoselective Lewis acid catalyst for the exclusive synthesis of 2-substituted benzimidazoles from the reaction of aldehydes with o-phenylenediamine. The catalyst is stable (as a bench top catalyst) and can be easily recovered and reused without appreciable change in its efficiency

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/212068>

