

عنوان مقاله:

Copper-catalyzed amination of aryl halides in magnetized deionized water

محل انتشار:

اولین کنفرانس بین المللی شیمی و مهندسی شیمی ایران (سال: 1399)

تعداد صفحات اصل مقاله: 5

نویسندگان:

Forough Cheldavi - Faculty of Chemistry, Shahrood University of Technology, ۳۶۱۹۹۵۱۶۱, Shahrood, Iran

Mohammad Bakherad - Faculty of Chemistry, Shahrood University of Technology, ۳۶۱۹۹۵۱۶۱, Shahrood, Iran

Ali Keivanloo - Faculty of Chemistry, Shahrood University of Technology, ۳۶۱۹۹۵۱۶۱, Shahrood, Iran

خلاصه مقاله:

In this work, a simple, green, and ligand-free approach to the copper-catalyzed N-arylation of secondary amines with aryl halides in magnetized deionized water (MDW), as a solvent, is introduced. This method offers the advantages of short reaction times, low costs, and an additive-free process, and it also enables new planning strategies for the construction of aryl amine-containing pharmacophores.

کلمات کلیدی:

Aryl amine, Copper-catalyzed, Ligand-free, MDW

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1128614>

