

عنوان مقاله:

A Regioselective, One-Pot, Ultrasound Assisted, Biginelli-Type Reaction of Aldehyde, Urea/Thiourea and Phenylacetone

محل انتشار:

نهمین کنفرانس بین المللی مهندسی شیمی، نفت و محیط زیست (سال: 1402)

تعداد صفحات اصل مقاله: 8

نویسنده:

Sayedeh Manijeh Nematpour Turkey - Department of Chemistry Education, Farhangian University, Tehran, Iran

خلاصه مقاله:

A facile one-pot regioselective and rapid synthesis of various novel ۳,۴-dihydropyrimidin-۲(۱H)-one (DHPMs) via a three-component Biginelli-type condensation of aldehyde, phenylacetone and urea/thiourea under ultrasonic irradiation with good yields is described. Simple and readily available starting materials, mild base-catalyzed reaction conditions, nocolumn chromatography, good to high yields, applying the sonochemical methodology as an efficient method and short reaction times are important features of this protocol

کلمات کلیدی:

Dihydropyrimidin-۲(۱H)-one, Ultrasonic irradiation, Regioselective, Biginelli-type, Phenylacetone, Urea/thiourea-۳,۴

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1949793>

