

## عنوان مقاله:

A Versatile and Efficient Deep Eutectic Solvent for One-pot four-component synthesis of polyhydroquinolines

## محل انتشار:

چهارمین کنفرانس بین المللی شیمی و مهندسی شیمی (سال: 1401)

تعداد صفحات اصل مقاله: 7

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## خلاصه مقاله:

An efficient three-component reaction of aromatic aldehyde, ۱,۳- cyclohexanedione/dimedone, and ethyl acetoacetate and ammonium acetate have been developed as an atom-economic procedure catalyzed by a deep eutectic solvent [Urea][SnCl<sub>4</sub>]<sub>2</sub>. Conversion was high under optimal conditions. Other remarkable features include a much milder procedure, a shorter reaction time, a wide range of functional group tolerance, and absence of any tedious workup or purification. This procedure also avoids volatile organic and hazardous reagents/solvents and is thus an eco-friendly alternative to the existing methods.

## کلمات کلیدی:

Deep Eutectic Solvent, Multicomponent reaction, polyhydroquinolines, reusable

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1600838>

