عنوان مقاله:

A novel amino acid-based deep eutectic solvent as a solvent-catalyst for the synthesis of pyrano[2, 3-d]pyrimidinone derivatives

محل انتشار:

بیست و هفتمین کنفرانس شیمی آلی ایران (سال: 1398)

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خلاصه مقاله:

Natural deep eutectic solvents (NADES) plays an important roles in extraction processes and organic syntheses. Exist hydrogen bond between molecules in these compounds change them to adequate alternatives for water in the organic transformations.1In recent years, pyrano[2, 3-d]pyrimidinone derivatives are interested as widely experienced organic, heterocyclic compounds because of their biologically active properties such as antibacterial, antihypertensive, atoprotective, antiallergic antitumor, cardiotonic, vasodilator, bronchiodilators, analgesics, herbicidal, antimalarial and antifungal activities.2 Different catalysts and methods were applied to synthesize these compounds in shorter times and milder conditions.3,4 To avoid from the reported protocols problems, we are motivated to introduce a novel deep .(eutectic solvent as a solvent-catalyst (Fig. 1

کلمات کلیدی:

Natural deep eutectic solvents, Amino acid, pyrano[2, 3-d]pyrimidinones, Choline chloride