

The Green Synthesis of 2-Amino-4H-Chromenes by using Sulfonic Acid-functionalized Phthalimide

Mokshada Mhaske, Mahesh Walle, Baliram Vibhute, Abhijit Patki

Department of Chemistry

M. M. Jagtap College of Arts, Science and Commerce, Mahad-Raigad, Maharashtra, India

Abstract: *Sulfonic acid-functionalized phthalimide efficiently catalyzes the one-pot, three component reaction of an aromatic aldehyde, malonitrile and α or β -naphthol to yield 2-amino-4H-chromenes in very good yields. The catalyst sulfonic acid-functionalized phthalimide (SFP) is reusable and efficient in multicomponent reactions. The reaction is carried out in green approach which is environment friendly with excellent yield*

Keywords: Sulfonic acid-functionalized phthalimide; 2-Amino-4H-chromenes; One-pot reaction