

# The One Pot Three Component Synthesis of 2-Amino-4H-Chromenes by using Sulfonic Acid-Functionalized Phthalimide

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**Abstract:** Sulfonic acid-functionalized phthalimide efficiently catalyzes the one-pot, three component reaction of an aromatic aldehyde, malonitrile and  $\alpha$  or  $\beta$ -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

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