
Synthesis of Novel Chromeno-Pyrimidine Derivatives

zahra yegane*,

Abstract: In recent years, the synthesis of chromenes and their derivatives has attracted researchers' attention due to diverse chemical and biological activities, such as antibacterial, antiviral, anticoagulant and anti-cancer characteristics. There are several methods for synthesizing these compounds with classical methods using solvents and various catalysts. But so far, few methods have been reported for the synthesis of chromenopyrimidines. In this study, the synthesis of new derivatives of chrominopyrimidines was investigated through the reaction of urea, aldehyde and 4-hydroxy-coumarin. Also, to find suitable conditions, factors influencing the reaction were investigated in classical conditions, ultrasound and microwave irradiation.

Keywords : Keywords: Chrominopyrimidine, Pyrimidine, Chromen, 4-Hydroxycoumarin

[Islamic Azad University, Rasht Branch - Thesis Database](#)
[دانشگاه آزاد اسلامی، واحد رشت - سامانه بانک اطلاعات پایان نامه ها](#)