

# Turkish Journal of Chemistry

Turkish Journal

of

Chemistry


Three-component process for the synthesis of some pyrrole derivatives under microwave irradiation

Farhad HATAMJAFARI, Nasser MONTAZERI

Department of Chemistry, Faculty of Science, Islamic Azad University-Tonekabon Branch,

P. O. Box 46815-375, Tonekabo-IRAN

e-mail: hatamjafari@gmail.com

 [Keywords](#)  
 [Authors](#)

**Abstract:** We report a short and efficient 3-component reaction for synthesis of a series of [1,2-b]pyrrole derivatives from ninhydrin, alkyl propiolates, and simple primary amines under solvent free and microwave irradiation. This method provides a new route to produce pyrrole derivatives in good to excellent yields.

**Key Words:** Pyrrole derivatives, microwave irradiation, 3-component reaction.



[chem@tubitak.gov.tr](mailto:chem@tubitak.gov.tr)

[Scientific Journals Home Page](#)

---

Turk. J. Chem., **33**, (2009), 797-802.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Chem., vol.33, iss.6.](#)