

Microwave Assisted Synthesis of 2-(Phenylamino)methyl-6-nitro-4(3H)-quinazolinones (Poster Presentation)-International Conference on Medicinal Chemistry and Timmerman Award 2013 Universitas Indonesia, 28-29th October 2013

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Abstrak

The objective of the study is to synthesize of 2-(phenylamino)methyl-2-nitro-4(3H)-quinazolinone and their derivatives under microwave irradiation. Solution of 2-bromomethyl-6-nitro-4(3H)-quinazolinone, aniline or substituted aniline and pyridine was irradiated under modified home microwave completed with reflux condensor. The structure of the synthesized compounds were confirmed on the basis of IR, ¹H-NMR and ¹³C-NMR data. The results showed that the reactions for 7 minutes in power level 30 to give corresponding 2-(phenylamino)methyl-2-nitro-4(3H)-quinazolinones in facile and good yield