

Srpsko hemijsko društvo
Serbian Chemical Society



Klub Mladih hemičara Srbije
Serbian Young Chemists' Club



**54. SAVETOVANJE
SRPSKOG HEMIJSKOG DRUŠTVA**

**5. KONFERENCIJA
MLADIH HEMIČARA SRBIJA**

**KRATKI IZVODI
i
KNJIGA RADOVA**

**54th MEETING OF
THE SERBIAN CHEMICAL SOCIETY**

**5th Conference of
Young Chemists of Serbia**

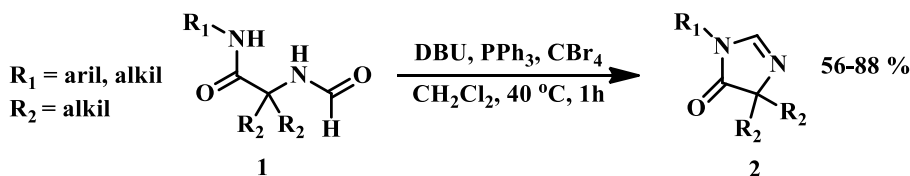
**Book of Abstracts
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Sinteza derivata imidazolona promovisana pomoću 1,8-diazabicyklo[5.4.0]undec-7-ena (DBU)

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Imidazoloni **2** pokazuju različita zanimljiva svojstva u biologiji, farmakologiji i fotohemiji.^{1,2} Razvijena je blaga i efikasna intramolekulska ciklizacija diamidnih jedinjenja **1**, dobijenih Ugi-jevom reakcijom, koja dovodi do nastanka derivata imidazolona. Ovom transformacijom se dobijaju proizvodi u dobrim prinosima u kratkom reakcionom vremenu.



Shema 1.

Imidazolone derivatives synthesis promoted by 1,8-diazabicyclo[5.4.0]undec-7-ene (DBU)

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Imidazolones **2** exhibit a variety of interesting properties in biology, pharmacology and photochemistry.^{1,2} Mild and efficient intramolecular cyclization of diamide compounds, obtained by the Ugi reaction, leading to imidazolone derivatives has been developed. The transformation affords the products in good yields in a short reaction time.

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