

عنوان مقاله:

Synthesis of λ-Aryl(alkyl)-۶-selenoxo-۶H-۱,۹-dioxa-γ-aza-cyclopenta[a]naphthalen-٣-ones Under Solvent-free Conditions at Ambient Temperature

> **محل انتشار:** پنجمین کنگره ملی شیمی و نانو شیمی از پژوهش تا توسعه ملی (سال: 1401)

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خلاصه مقاله:

Oxazine derivatives have found versatile applications as anti-bacterial and cancer-screening agents. They have-1, w antifungal action and are used as herbicides.Y,"The thio derivatives of pyrano-1,"-benzoxazine have shown antiinflammatory and antipyretic properties. FMulti-component reactions (MCRs) are now frequently used by synthetic organic chemists as a facile means to generate molecular diversity from bifunctional substrates that react sequentially in an intramolecular fashion, and this approach may be used for the preparation of oxazines. There are several useful syntheses of oxazines, 8-1V some of which were informed by a procedure first described by Khalilzadeh and coworkers\Awho prepared a series of arylated bi- and tri-cyclic thioheterocycles via the N-methylimidazole-catalyzed reaction of phenol and 1- and Y-naphthols with acid chlorides and ammonium thiocyanate. This kindled our curiosity about the cognate preparation of related selenium compounds. The current interest in selenium-containing organic compounds stems from their remarkable synthetic and biological functions. 19-Y"The first synthesis of acyl isoselenocyanates, generated by the reaction of acyl chlorides and potassium selenocyanate, was described by of heterocycles from acylhttp://chemistry.bcnf.ir Douglas.YFMore recently, several preparations Page Yisoselenocyanates were reported. YΔ-YYIn this context, we now describe a synthesis of novelA-aryl(alkyl)-۶-.selenoxo-۶H-1,9-dioxa-Y-aza-cyclopenta[a]naphthalen-٣-ones using themethod of Khalilzadeh

كلمات كليدى:

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