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| Title | Synthesis of 8-aroyl-9-hydroxy-7,9,11-triaryl-3-oxo(or thioxo)-2,4-diazaspiro- [5,5]undecane-1,5-diones | | |
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| Abstract |  |
| A number of 8-aroyl-9-hydroxy-7,9,11-triaryl-3-oxo(or thioxo)-2,4-diazaspiro[5.5] undecane-1,5-diones **3a-g** were synthesized from the reaction of 1,3-diaryl-2-propen-1-ones **2a-d** with barbituric acid **1a** and 2-thiobarbituric acid **1b** in 50% aqueous ethanol under refluxing condition without using any catalyst. The structures of the compounds were confirmed by UV, IR, 1H and 13C NMR, MS and elemental analysis. | |