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| Title | One step cyclocondensation of (thio)barbituric acid with chalcones in glacial acetic acid and phosphorous pentoxide, Part-I | | |
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| Abstract |  |
| Some new 5, 7-diaryl-1,5-dihydro (or 1, 2, 3, 5-tetrahydro)- pyrano[2, 3-*d*] pyrimidin-2, 4-diones (or 2-thioxo-4-ones) (**3a-h**) have been synthesized in one-step by cyclocondensation of barbituric acid or thiobarbituric acid (**1**) with arylideneacetophenones (**2a-d**), in glacial acetic acid in the presence of phosphorous pentoxide. The structures of the compounds **3a-h** have been determined by UV, IR, 1H NMR, 13C NMR, mass spectral data and elemental analyses. The compounds **3a-h** do not seem to be available in the literature. | |