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| Title | Synthesis of 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) | | |
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| Published Journal Name | Journal of Bangladesh Chemical Society (JBCS) | | |
| Type of Publication | Journal | | |
| Volume | 25 | Issue | 2 |
| Publisher | Bangladesh Chemical Society (BCS) | | |
| Publication Date | July, 2012 | | |
| ISSN | 1022 – 016X | | |
| DOI | <https://doi.org/10.3329/jbcs.v25i2.15064> | | |
| URL |  | | |
| Other Related Info. | Page 124 – 131 | | |
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| Abstract |  |
| Some 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-g**) has been synthesized in one-step by the 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-g** were determined by their UV, IR, 1H NMR, 13C NMR, mass spectral data and elemental analyses. | |