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| Title | Synthesis of 5-(1,3-diaryl-1-oxopropyl)-2-thioxo-pyrimidine(1H,3H,5H)-4,6-diones | | |
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| Abstract |  |
| 1,3-Diaryl-2-propene-1-ones **2a-g** with 2-thiobarbituric acid **1** give 5-(1,3-diaryl-1-oxopropyl)-2-thioxo-pyrimidine(1H,3H,5H)-4,6-diones **3a-g** in reasonably good yields in 1:1 molar ratio under refluxing condition in 50% aqueous ethanol medium without using any catalyst. The structures of the compounds **3a-g** were determined by their UV, IR, 1H NMR, 13C NMR, mass spectral data and elemental analyses. | |