

Short Note

5-[(3,5-Dimethyl-1-phenyl-1*H*-pyrazol-4-yl)methylene]-1,3-diethyl-2-thioxodihydropyrimidine-4,6(1*H*,5*H*)-dione

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Received: 1 March 2010 / Accepted: 16 March 2010 / Published: 17 March 2010

Abstract: The title compound, 5-[(3,5-dimethyl-1-phenyl-1*H*-pyrazol-4-yl)methylene]-1,3-diethyl-2-thioxodihydropyrimidine-4,6(1*H*,5*H*)-dione, has been synthesized by condensation of 1,3-diethyl-2-thiobarbituric acid and 3,5-dimethyl-1-phenylpyrazole-4-carbaldehyde in ethanol in the presence of pyridine. The structure of this new compound was confirmed by elemental analysis, IR, ¹H-NMR, ¹³C-NMR and EI-MS spectral analysis.

Keywords: thiobarbituric acid; Knoevenagel condensation; pyridine
