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## (57) Abstract :

This invention describes the synthesis of (E)-4-(2-(4-Chloro-3-(trifluoromethyl)phenyl)hydrazono)-5-methyl-2-(4-phenylthiazol-2-yl)-2,4-dihydro-3H-pyrazol-3-one by refluxing the substituted 1-carbothiamide with different phenacyl bromides in ethanol yielded target compounds, where aryl group may be C<sub>6</sub>H<sub>5</sub>, p-F-C<sub>6</sub>H<sub>4</sub>, p-Cl-C<sub>6</sub>H<sub>4</sub>, p-Br-C<sub>6</sub>H<sub>4</sub>, p-CH<sub>3</sub>-C<sub>6</sub>H<sub>4</sub>, p-OCH<sub>3</sub>-C<sub>6</sub>H<sub>4</sub>, p-NO<sub>2</sub>-C<sub>6</sub>H<sub>4</sub>, p-CF<sub>3</sub>-C<sub>6</sub>H<sub>4</sub>, p-OCF<sub>3</sub>-C<sub>6</sub>H<sub>4</sub>, p-C<sub>6</sub>H<sub>5</sub>-C<sub>6</sub>H<sub>4</sub>, p-CN-C<sub>6</sub>H<sub>4</sub>, 2-Naphthyl, 3-acetylcoumarin.

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