



## ACCEPTED MANUSCRIPT

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DMSO<sub>d6</sub>)  $\delta$  195.8 (C=O, benzoyl), 167.1, 164.2(C=O), 157.2(C=O), 146.3, 135.4, 134.3, 133.2, 132.9, 131.1, 130.9, 130.4, 129.5, 129.0, 128.8, 128.4, 128.0, 127.1, 126.9, 125.4, 124.1, 120.6, 66.8, 30.8 ppm. Anal. Calcd. for C<sub>33</sub>H<sub>24</sub>N<sub>4</sub>O<sub>4</sub>S: C, 69.22; H, 4.22; N, 9.78. Found: C, 69.20; H, 4.21; N, 9.75.

*4-(7-benzoyl-4-oxo-8-phenyl-2,3,4,6-tetrahydropyrimido[2,1-b][1,3]thiazin-6-yl)-N,N-diethylbenzamide (II)*:

Yield: 43%, mp 210–211°C. IR (KBr) 1701, 1622, 1574 cm<sup>-1</sup> (C=O). <sup>1</sup>H-NMR (400 MHz, DMSO<sub>d6</sub>)  $\delta$  7.30-7.00 (m, 14H, Harom.), 6.80 (s, 1H, Harom.), 3.81 (m, 4H, CH), 3.40 (bs, 4H, CH<sub>2</sub>), 1.17 (bs, 6H, CH<sub>3</sub>). <sup>13</sup>C-NMR (100 MHz, DMSO<sub>d6</sub>)  $\delta$  195.8 (C=O, benzoyl), 171.3, 167.1, 164.2(C=O), 157.2, 146.3, 135.4, 132.9, 130.9, 130.4, 129.5, 129.0, 128.8, 128.4, 128.0, 127.1, 126.9, 125.4, 124.1, 120.6, 66.8, 43.21, 39.20, 14.11, 12.93 ppm. Anal. Calcd. for C<sub>31</sub>H<sub>29</sub>N<sub>3</sub>O<sub>3</sub>S: C, 71.10; H, 5.58; N, 8.02. Found: C, 71.11; H, 5.57; N, 8.04.

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