

Synthesis and molecular docking studies of some new 2-*N*-acylaminobenzothiazole derivatives

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ABSTRACT A series of 2-*N*-acylaminobenzothiazole derivatives was synthesized. The precursor 6-methylbenzothiazol-2-amine was synthesized from commercially available *p*-toluidine, which was then reacted with acid chloride or carboxylic acid using appropriate conditions to obtain 2-*N*-acylaminobenzothiazole derivatives. All the synthesized compounds were characterized by spectral analysis and performed for their docking studies.

KEYWORDS D