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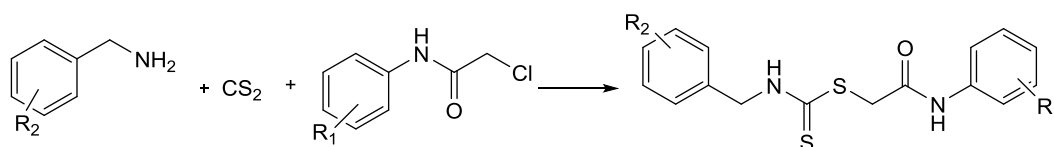
نگارش

لیلا کریم

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Abstract

Dithiocarbamates have been identified as a potent building block in a number of useful biomolecules. Cancer chemopreventive and cytotoxic activities are one of the most important applications of this moiety. Herein, a series of substituted phenyl carbamoyl methyl benzyl carbamodithioates has been synthesized. The products were obtained by the reaction of Aniline derivatives, Benzyl amines, carbon disulfide and chloro acetyl chloride. The reaction proceeded under mild practical condition and afforded the desired products in good yields. The reaction of carbon disulphide, benzyl amines and 2-chloro-N-substituted phenylacetamide were proceeded in water at room temperature and the desired products were separated using chromatographic methods. Totally, 17 new compounds were synthesized and identified using melting point, $^1\text{H-NMR}$, $^{13}\text{C-NMR}$ and IR spectroscopy.



R₁ = H, 3-OMe, 2-F, 3-Cl, 2,5-diCl, 3,4-diCl, 4-Br

R₂ = H, 4-Me, 4-Cl