



Anti-HIV Screening and Molecular Docking Studies of Benzothiazolyl Thioureas

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SUMMARY. A new series of 1-(substituted benzothiazol-2-yl)-3-arylthioureas (**7a-k**) were synthesized by treating variously substituted benzothiazolamines with *in situ* prepared isothiocyanates. The synthesized compounds were screened for their *in vitro* anti-HIV-1 and HIV-2 activity. The compounds **7e**, **7f** and **7i** were found to exhibit potent anti-HIV-1 and HIV-2 activity.

RESUMEN. Se sintetizó una nueva serie de 1- (benzotiazol-2-il) -3-aroiltioureas sustituidas (**7a-k**) tratando varias benzotiazolaminas sustituidas con isotiocianatos preparados *in situ*. Los compuestos sintetizados se seleccionaron para su actividad *in vitro* anti-HIV-1 y HIV-2. Se encontró que los compuestos **7e**, **7f** y **7i** presentaban potente actividad anti-HIV-1 y HIV-2.

KEY WORDS: 2-aminobenzo-thiazoles, anti-HIV activity, 1-substituted (benzothiazol-2-yl)-3-arylthioureas.

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