

Antifungal Activity of Coumarins

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The antifungal activity of 40 coumarins was tested against the fungal strains: *Candida albicans* (ATCC 14053), *Aspergillus fumigatus* (ATCC 16913) and *Fusarium solani* (ATCC 36031), using the broth microdilution method. Osthénol showed the most effective antifungal activity among all the compounds tested, with a MIC value of 125 µg/ml for *Fusarium solani* and 250 µg/ml for *Candida albicans* and *Aspergillus fumigatus*. The antifungal potential of this prenylated coumarin can be related to the presence of an alkyl group at C-8 position.

Key words: Coumarins, Antifungal Activity, Osthénol