

Antitubercular activity of pentacyclic triterpenoids from plants of Argentina and Chile

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Abstract

Screening of plants from South America for antitubercular activity and subsequent assay-guided fractionation resulted in the isolation and characterization of several pentacyclic triterpenoids. The MIC values of 22 triterpenoids were determined using the radiorespiratory BACTEC assay and range from 8 μ M to above 128 μ M. The structure-activity relationships are discussed.

Keywords

Pentacyclic triterpenoids, Antitubercular, Assay-guided isolation, Structure-activity relationship.