

A new antitubercular mulinane diterpenoid from *Azorella madreporica* Clos

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Abstract

Bioactivity-guided fractionation of the petroleum ether extract of *Azorella madreporica* Clos has led to the isolation of the novel, antitubercular mulinane diterpenoid 1. The structure has been elucidated on the basis of its 1D and 2D NMR spectra and by comparison with mulinolic acid 2 and a dehydration product 3 obtained from 1. The MIC of 1 for growth inhibition of the H37Rv strain of *Mycobacterium tuberculosis* was determined as 20 microg/mL. LC-MS and NMR have suggested the presence of this new compound in four other species of *Azorella*.