

Conference abstract PO-56

Lignans as New Compounds in *Mentzelia scabra subsp. chilensis*

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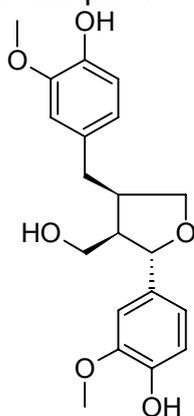
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Mentzelia scabra subsp. chilensis (Loasaceae), better known as “Angurate”, is a shrub widespread in South America (Peru, Chile and Bolivia).

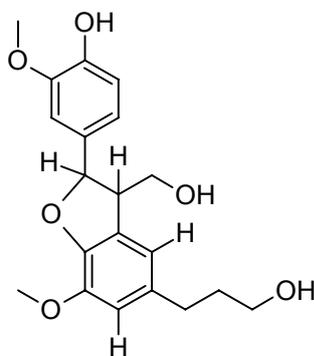
The decoction of the aerial parts is considered an excellent cicatrizant in gastric ulcers and is also used for its choloretic and anthelmintic properties [1].

Phytochemical investigations led to the isolation of lignans, which were found for the first time in *Mentzelia* genus.

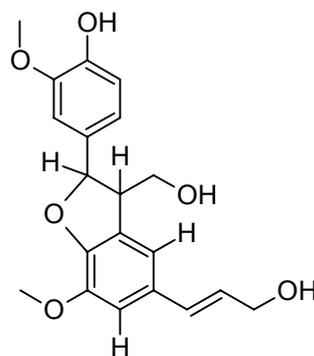
Three lignans, lariciresinol, dihydrodehydrodiconiferyl alcohol and dehydrodiconiferyl alcohol were isolated and characterized from MeOH extract by chemical and spectroscopic means, including 1D and 2D NMR and LC-ESI-MS techniques.



Lariciresinol



Dihydrodehydrodiconiferyl alcohol



Dehydrodiconiferyl alcohol

- [1] Catalano S, Flamini G, Bilia AR, Morelli I, Nicoletti M. Iridoids from *Mentzelia cordifolia*. *Phytochemistry*. 1995; 38: 895–897. doi:10.1016/0031-9422(94)00689-Q