



## 蒙药河柏的化学成分研究

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中文摘要:目的:研究河柏中的化学成分。方法:利用溶剂法进行提取和萃取分部,采用硅胶、Sephadex LH-20柱色谱法进行分离,利用理化鉴别及波谱分析技术鉴定化合物的结构。结果:从河柏中分离鉴定了11个化合物,分别为鞣酸-3,3',4-三甲醚(1),鞣酸-3,3'-二甲醚(2),异鼠李素(3),山柰酚(4),3,5-二羟基-4-甲氧基苯甲酸(5),胡萝卜素(6),6,7,10-三羟基-8-氧代癸酸(7),quercetin(8),gallic acid(9),palmitic acid(10),hexadecanoic acid, 2,3-dihydroxypropyl ester(11)。结论:除化合物8,9,其他化合物均为首次从该种植物中得到,其中化合物1,2,5,7,10,11为首次从该属植物中得到。

中文关键词:河柏 化学成分 蒙药

## Chemical constituents from *Myricaria alopecuroides*

**Abstract:**Objective: To investigate the chemical constituents in the leaves and branches of *Myricaria alopecuroides*. Method: Solvent extraction method was employed to extract and partition. The chemical constituents were isolated by column chromatography on silica gel, Sephadex LH-20, highly porous resin HP-20. The structures of the compounds were elucidated on the basis of physicochemical properties and spectral analysis. Result: Eleven compounds were isolated from this plant and identified as ellagic acid 3,3',4-trimethylether (1), ellagic acid 3,3'-dimethylether (2), isorhamnetin (3), kaempferol (4), 3,5-dihydroxy-4-methoxybenzoic acid (5), daucosterol (6), 6,7,10-trihydroxy-8-octadecenoic acid (7), quercetin (8), gallic acid (9), palmitic acid (10), hexadecanoic acid, 2,3-dihydroxypropyl ester (11). Conclusion: Except 8 and 9, all compounds were isolated from *M. alopecuroides* for the first time. Compound 1, 2, 5, 7, 10, 11 were obtained from the genus *Myricaria* for the first time.

**keywords:** *Myricaria alopecuroides* chemical constituents Mongolia herb

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