

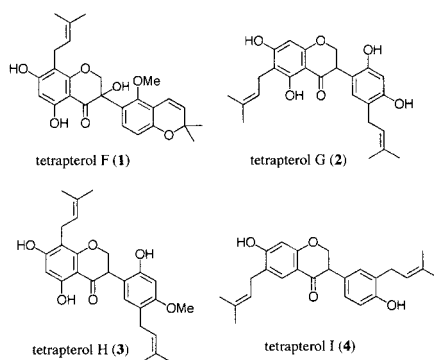
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Four isoflavanones from roots of *Sophora tetraptera*

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Abstract: Four new isoflavanones, tetrapterols F-I, were isolated from roots of *Sophora tetraptera* in addition to seven known flavonoids, lupinifolin, 8-*O*-methylretusin, 5,7,4'-trihydroxy-6,3'-di(γ,γ -dimethylallyl)isoflavone, (-)-maackiain, sophoracarpin A, medicagol and 2-(2,4-dihydroxyphenyl)-5,6-methylenedioxybenzofuran. The structure of the new isoflavanones was determined to be 3,5,7-trihydroxy-2'-methoxy-8 γ,γ -dimethylallyl-6''', 6'''-dimethylpyrano[2''',3''':4',3'] isoflavanone (tetrapterol F), 5,7,2',4'-tetrahydroxy-6,5'-di(γ,γ -dimethylallyl)isoflavanone (tetrapterol G), 5,7,2'-trihydroxy-4'-methoxy-8,5'-di(γ,γ -dimethylallyl)isoflavanone (tetrapterol H) and 7,4'-dihydroxy-6,3'-di(γ,γ -dimethylallyl)isoflavanone (tetrapterol I) by means of spectroscopic analysis.



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