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One new galloyl glycoside from fresh leaves of *Psidium guajava* L. (PMID:21348423)

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Abstract

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Chemicals (5) Organisms (2)

Yao xue xue bao = Acta Pharmaceutica Sinica [2010, 45(3):334-337]

Type: Journal Article, Research Support, Non-U.S. Gov't

Abstract

To investigate the chemical constituents of *Psidium Guajava* L, the EtOH/H2O extract of the fresh leaves was subjected to various chromatography. Five constituents with galloyl moiety were isolated and elucidated as 1-O-(1, 2-propanediol)-6-O-galloyl-beta-D-glucopyranoside (1), gallic acid (2), ellagic acid (3), ellagic acid-4-O-beta-D-glucopyranoside (4) and quercetin-3-O-(6"-galloyl) beta-D-galactopyranoside (5) by spectroscopic methods, including 2D NMR and HR-ESI-MS spectrometry as well as by comparison with published data. Compounds 4 and 5 were obtained from *P. guajava* for the first time, and compound 1 is a new polyhydroxyl compound.

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