

New constituents from the heartwood of *Picea*

***morrisonicola* HAYATA**

李慶國

Lee TH;Yeh MH;Chang CI;Lee CK;Shao YY;KUo YH

Abstract

Three new constituents, including a p-menthane type monoterpene, trans-p-menthane-7,8,9-triol (1), an aromatic, 2,6-dihydroxy-3,4-dimethylbenzoic acid methyl ester (2), and a lignan, (+)-morrisonicolanin (3), were isolated from the low polar layer of heartwood extracts of *Picea morrisonicola*, and their structures were elucidated on the basis of spectroscopic analysis. Of these compounds identified, 1 was obtained as its diacetylated derivative 1a, and 2 was the chemical entity first isolated from a natural source.