

A LIGNAN AND ARYL ALKANONES FROM ROOT BARK OF *MYRISTICA CEYLANICA*

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Abstract : A lignan, rel-(8S,8'R)-dimethyl-(7S,7'R)-bis(3,4-methylenedioxyphenyl) tetrahydrofuran and four aryl alkanones, 1-(2',6'-dihydroxyphenyl)tetradecan-1-one, 1-(6'-hydroxy-2'-methoxyphenyl)-9-(4"-hydroxyphenyl)nonan-1-one, 1-(2',6'-dihydroxyphenyl)-9-(4"-hydroxyphenyl)nonan-1-one and 1-(2',6'-dihydroxyphenyl)-9-(3",4"-dihydroxyphenyl)nonan-1-one were isolated from the hot dichloromethane extract of the root bark of *Myristica ceylanica*. Although this is the first report of these compounds from *M. ceylanica*, they have been isolated from other *Myristica* species. Their structures were established by comparison with previously reported physical data and by chemical conversions.

Keywords: Aryl alkanones, lignan, *Myristica ceylanica*, Myristicaceae