

ABSTRACT

Phytochemical Investigation of *Pimenta racemosa*
Leaves and Stems

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Phytochemical investigation of *Pimenta racemosa* leaves led to the isolation of four new compounds 4'-hydroxy-8-C-methyl-5,7-dimethoxy flavan-4-ol (**6**), 3,5-dimethyl-2,4,6-trimethoxy-1-(4-hydroxyphenyl)benzene (**8**), 2-hydroxy-3,5-dimethyl-4,6-dimethoxy-1-(4-hydroxyphenyl)benzene (**9**), 1,3-dihydroxy-7-(3,4-dihydroxyphenyl)-11*H*-dibenzo[*b,e*][1,4]dioxepin-11-one (**10**), along with nine known compounds (eugenol, chavicol, lupeol, dehydrodieugenol, *meso*-dihydroguaiaretic acid, angophorol, blumenol A, catechin and galocatechin). Eight compounds were isolated from the stems of *Pimenta racemosa*. Four of these were also found in the leaves (eugenol, chavicol, lupeol and catechin). The compounds that were unique to the stems included the known compounds β -sitosterol, platanic acid, maslinic acid and arjunolic acid.

Keywords: Bay leaves, *Pimenta racemosa*, phytochemical investigation, angophorol, arjunolic acid, biphenyls, depsidone, triterpenes, phenylpropenoids, flavonoids.