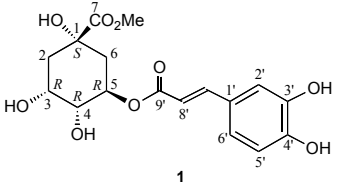
630/E2

Antioxidant phenolic constituents from the fruit juice of *Flacourtia inermis*

M Lakdusinghe and U L B Jayasinghe*
Institute of Fundamental Studies, Hantana Road, Kandy.

In a continuation of our research work on search for biologically active compounds from Sri Lankan plants, present investigation is carried out on the fruits of *Flacourtia inermis* Roxb. of the family Flacourtiaceae. *F. inermis* is a moderate size tree growing in Sri Lanka. Its red colored fruits are edible and very popular in Sri Lanka. No previous chemical or biological investigations have been reported hitherto on this plant/fruits. Chemical investigation of the fruit juice of *Flacourtia inermis* furnished five chlorogenic acid esters methyl 5-*O*-caffeoylquinate (**1**), methyl 3-*O*-caffeoylquinate (**2**), methyl 4-*O*-caffeoylquinate (**3**), *n*-butyl 5-*O*-caffeoylquinate (**4**), *n*-butyl 3-*O*-caffeoylquinate (**5**), a rare phenolic glucoside (*rel*)-(6□-benzoyloxy-1□,2□-dihydroxy-5-oxocyclohex-3-enecarboxylic acid 2-(6-*O*-benzoyl-□-D-glucopyranosyloxy)-5-hydroxybenzyl ester (**6**), together with quinic acid (**7**) and malic acid (**8**). Compounds **1** - **6** showed strong radical scavenging properties towards the DPPH radical.



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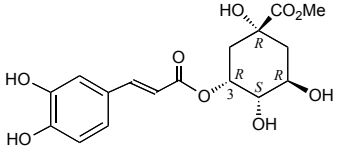

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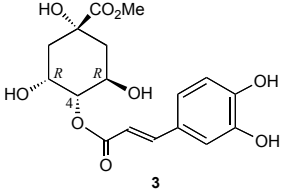

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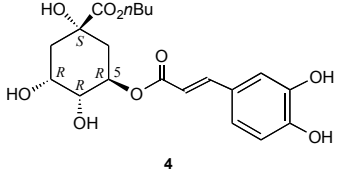

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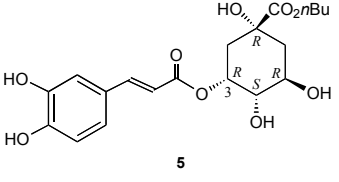

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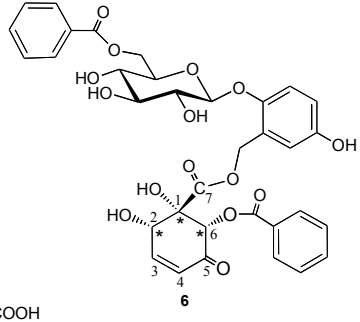

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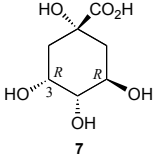

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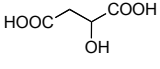

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*ulbj2003@yahoo.com Tel: 033-2287323