

FLAVONOIDS WITH ISOPRENOID SUBSTITUENTS: ADDENDUM

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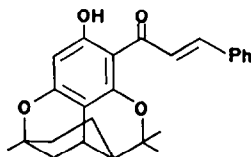
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Key Word Index—Isoprenoid substituted flavonoids; reference list.

AN ADDENDUM is presented to the list of natural flavonoids (other than isoflavonoids) with isoprenoid substituents reported by Venkataraman in his recent review article.¹ A monograph on the corresponding isoflavonoid derivatives has recently appeared.²

	Substituents†	Family	Species	Part of plant	Ref.
Chalcones					
Rottlerin	4',6'-(OH) ₂ -2,3-(2,2-Dimethyl-5,6)-α-pyrano-5-(2,4,6-(OH) ₃ -3-Me-5-MeCO-benzyl	Rubiaceae	<i>Mallotus philippinensis</i>	Seeds	3
4-Hydroxyrottlerin	4-OH- <i>idem</i>				4
3,4-dihydroxyrottlerin	3,4-(OH) ₂ - <i>idem</i>				4
Kurarinidin	2,4,2',4'-(OH) ₄ -6'-OMe-3'-2-isopropenyl-5-methylhex-4-enyl	Leguminosae	<i>Sophora angustifolia</i>	Root	5
Flemingin A	2,3',6'-(OH) ₃ -4,5-(2-methyl-2-(4'-methylpent-3-enyl)-5,6)-α-pyrano		<i>Flemingia rhodocarpa</i>	Seeds	6
Flemingin B	6-(OH)- <i>idem</i>				6
Flemingin C	5-(OH)- <i>idem</i>				6
Homoflemingin	2,5,2',5'-(OH) ₄ -4'-OMe-3'-(3,7-dimethyl-2,6-octadienyl)	Leguminosae	<i>Flemingia rhodocarpa</i>	Seeds	6
Desoxyhomoflemingin	2,2',5'-(OH) ₃ -4'-OMe-3'-(3,7-dimethyl-2,6-octadienyl)				7
Flemichapparin A	3',6'-(OH) ₂ -4,5-(2,2-dimethyl-5,6)-α-pyrano		<i>F. chappari</i>	Leaves and flowers	8,9
Rubranin	Formula 1	Moraceae	<i>Aniba roseodora</i>	Heartwood	10
	2'-OH-3'-Me-4'-OMe-5,6-(2,2-dimethyl-5,6)-α-pyrano	Rubiaceae	<i>Mallotus philippinensis</i>	Seeds	11
Flavanones					
Norkurarinone	5-OH-6-Me-7,8-(2,2-dimethyl-5,6)-α-pyrano	Leguminosae	<i>Sophora angustifolia</i>	Root	11
Kurarinone	2',4',5,7-(OH) ₄ -8-(2-isopropenyl-5-methylhex-4-enyl)				5
	2',4',7-(OH) ₃ -5-OMe-8-(2-isopropenyl-5-methylhex-4-enyl)				5
Flavones					
Isoanhydroicaritin	4',3,5,7-(OH) ₄ -8-(<i>dma</i>)				12
Noranhydroicaritin	4',3,5-(OH) ₃ -7-OMe-8-(<i>dma</i>)				12
Pongachromene	3',4'-(OCH ₂ O)-3-OMe-7,8-(2,2-dimethyl-5,6)-α-pyrano		<i>Pongamia glabra</i>	Stem-bark	13



(I) Rubranin

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† *dma* = γ,γ-dimethylallyl.

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