

Suppl. 2 Phenolics with 1,1-dimethyl-2-propeny substitute

Antioxidant Mechanisms of Echinatin and Licochalcone A

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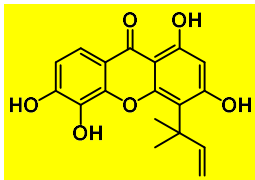
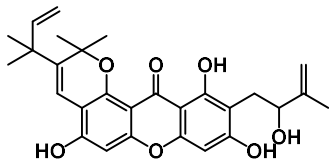
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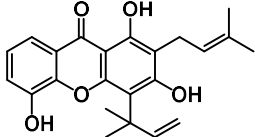
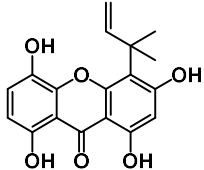
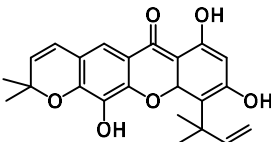
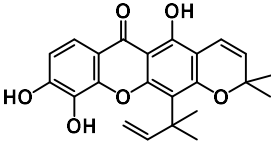
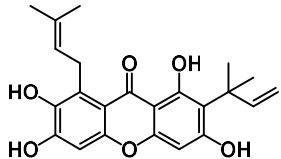
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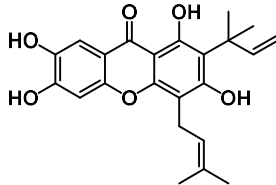
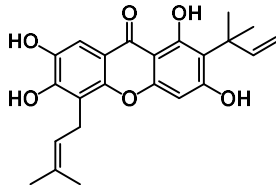
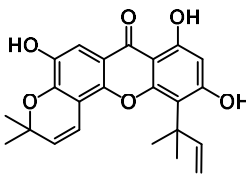
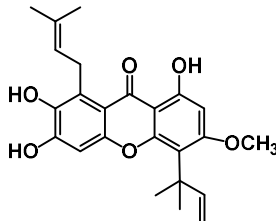
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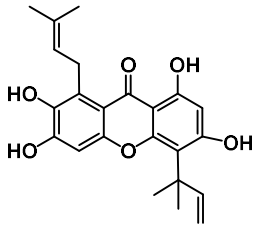
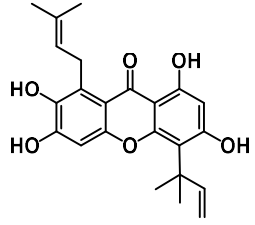
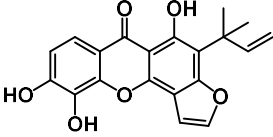
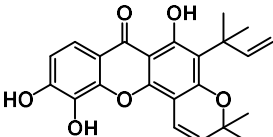
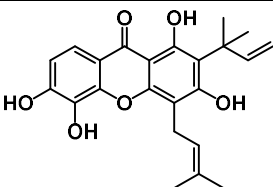
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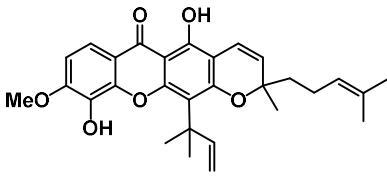
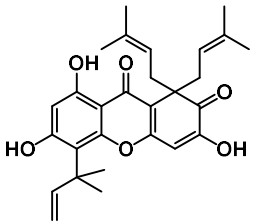
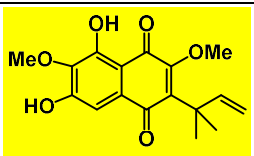
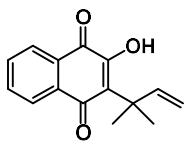
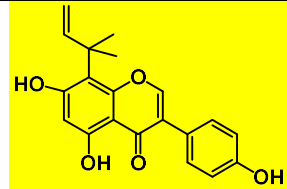
† These authors contributed equally to this work.

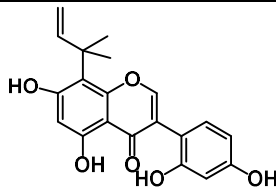
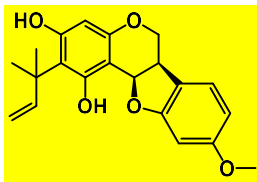
No.	Name	Structure	Plant	Type
1	Isocudraniazanthone A		Garcinia mangostana Linn[1]	xanthone
2	5,9,11-trihydroxy-10-(2''-hydroxy-3''-methylbut-3''-en-1-yl)-2,2-dimethyl-3-(2'-methylbut-3'-en-2'-yl)-2H,12H-pyrano[2,3-a]xanthen-12-one		The stem bark of Calophyllum pseudomole[2]	xanthone

3	allanxanthone A		the stem bark of <i>Allanblackia floribunda</i> [3]	xanthone
4	4-(1,1-dimethylprop-2-enyl)-1,3,5,8-tetrahydroxyxanthone		<i>Garcinia cantleyana</i> [4, 5]	xanthone
5	1,3,5-trihydroxy-6,6'-dimethyl-pyrano(2',3':6,7)-4-(1,1-dimethyl-prop-2-enyl)xanthone		<i>C. inophyllum</i> , <i>G. opaca</i> and <i>G. bancana</i> [6, 7]	xanthone
6	macluraxanthone		<i>C. inophyllum</i> , <i>G. opaca</i> and <i>G. bancana</i> [6, 7]	xanthone
7	1,3,6,7-tetrahydroxy-2-(3-methylbut-2-enyl)-8-(2-methylbut-3-en-2-yl)-9H-xanthen-9-one		<i>Cundrania tricuspidata</i> [8]	xanthone

8	Macluraxanthone B		Cundrania tricuspidata[8, 9]	xanthone
9	Cudraxanthone L		Cundrania tricuspidata[8, 9]	xanthone
10	1,3,7-trihydroxy-4-(1,1-dimethyl-2-propenyl)-5,6-(2-2-dimethylchromeno) xanthone		Cundrania tricuspidata[8]	xanthone
11	Cudraticusxanthone F		Cundrania tricuspidata[8]	xanthone

12	Cudraticusxanthone A		Cudrania tricuspidata[8]	xanthone
13	2,3,6,8-tetrahydroxy-1-(3-methylbut-2-enyl)-5-(2-methylbut-3-en-2-yl)-9H-xanthen-9-one		Cudrania tricuspidata[9]	xanthone
14	penangianaxanthone		Garcinia penangiana Pierre[5]	xanthone
15	cudraticusxanthone H		Garcinia penangiana Pierre[5]	xanthone
16	macluraxanthone C		Garcinia penangiana Pierre[5]	xanthone

17	banganxanthone C		the Leaves of Garcinia polyantha[10]	xanthone
18	1,2-dihydro-3,6,8-trihydroxy-1,1-bis (3-methylbut -2-enyl)-5-(1, 1-dimethylprop-2-enyl)-xanthen-2,9-dione		Hypericum Erectum[11]	xanthone
19	6,8-dihydroxy-2,7-dimethoxy-3-(1,1-dimethylprop-2-enyl)-1,4-naphthoquinone		Lysionotus pauciflorus[12]	naphthoquinone
20	2-(1,1-dimethylprop-2-enyl)-3-hydroxy-1,4 naphthoquinone		Calceolaria andina L.[13]	
21	5,7,4'-trihydroxy-8-(1,1-dimethylprop-2-enyl) isoflavone		Flemingia paniculata[14]	Isoflavone

22	5,7,2',4'-tetrahydroxy-8-(1,1-dimethylprop-2-enyl)-isoflavone		Flemingia paniculata[14]	
23	glycyuralin B		the roots and rhizomes of Glycyrrhiza uralensis (licorice)[15]	isoflavane

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