

## Supporting Information

*Rec. Nat. Prod.* 9:3 (2015) 419-422

### Antibacterial and Anti-Inflammatory Activities of *Bunchosia armeniaca* (Cav.) DC. (Malpighiaceae)

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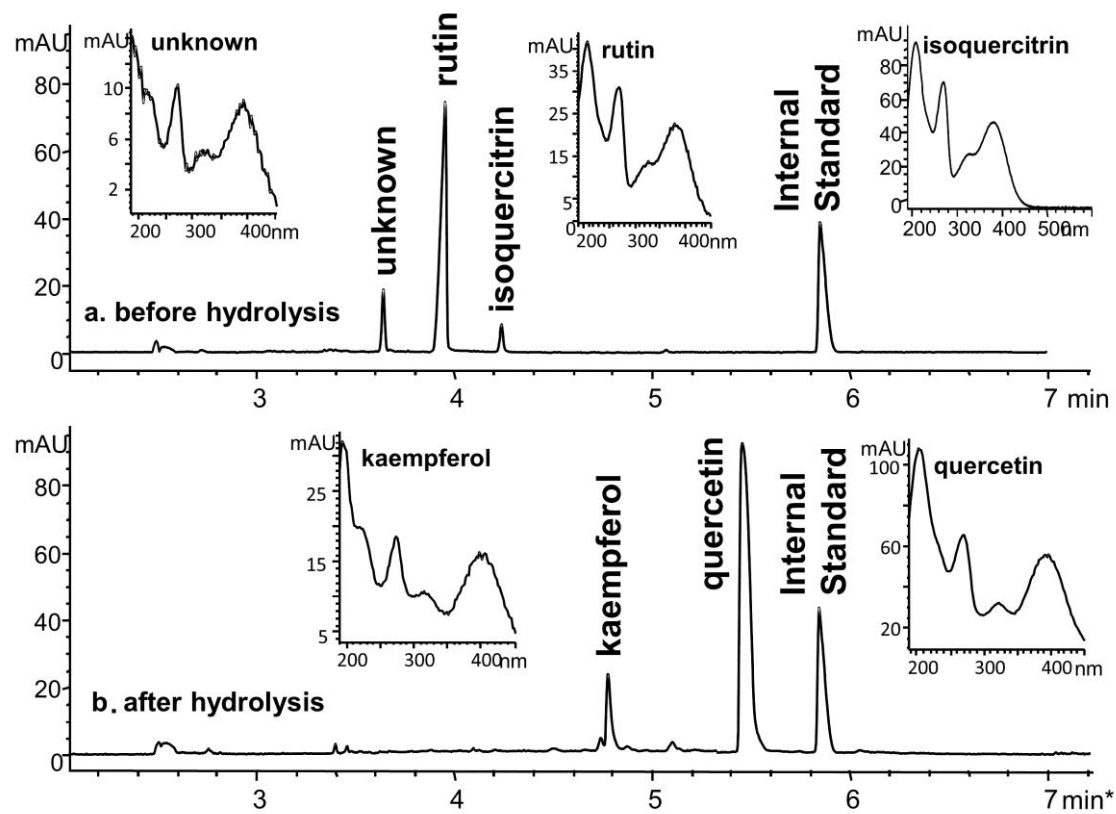
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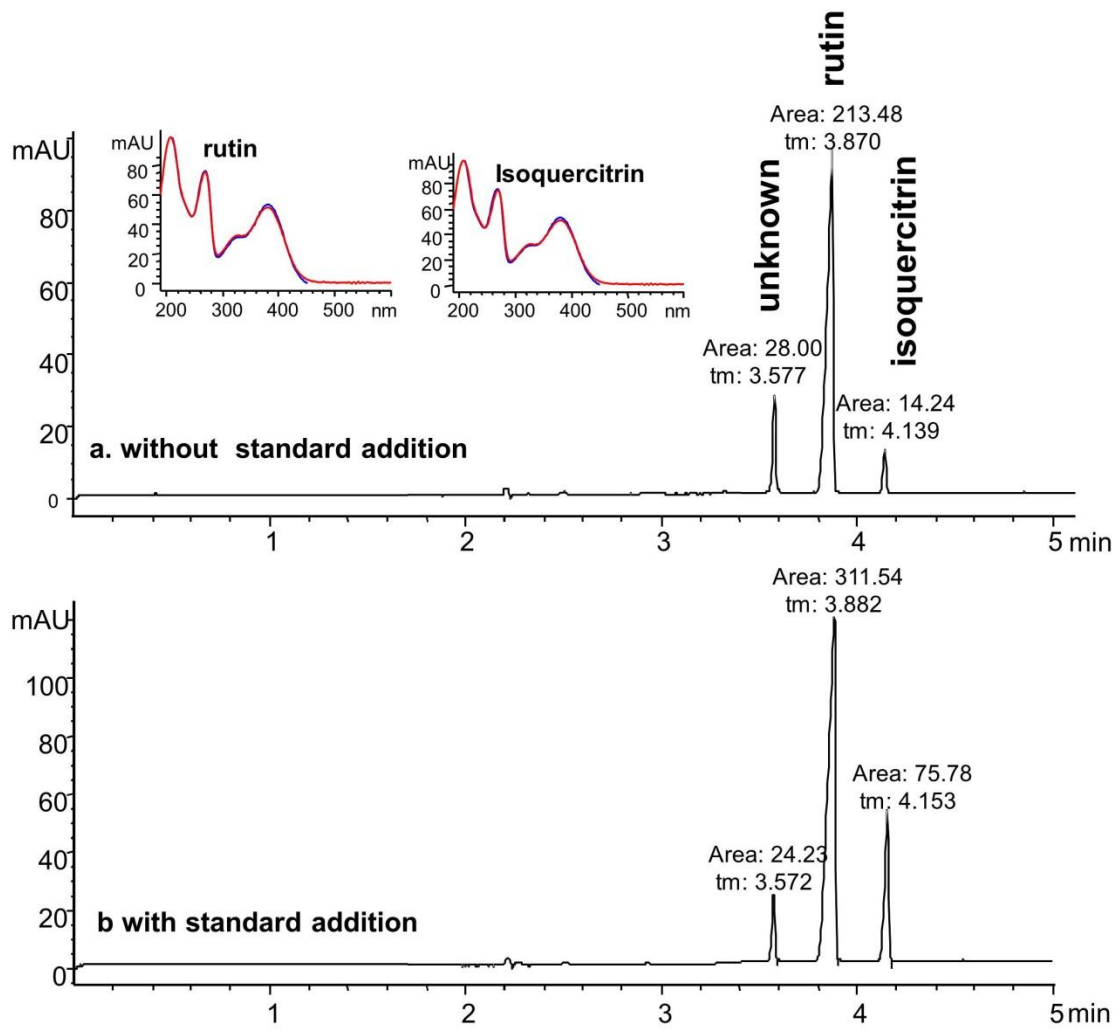
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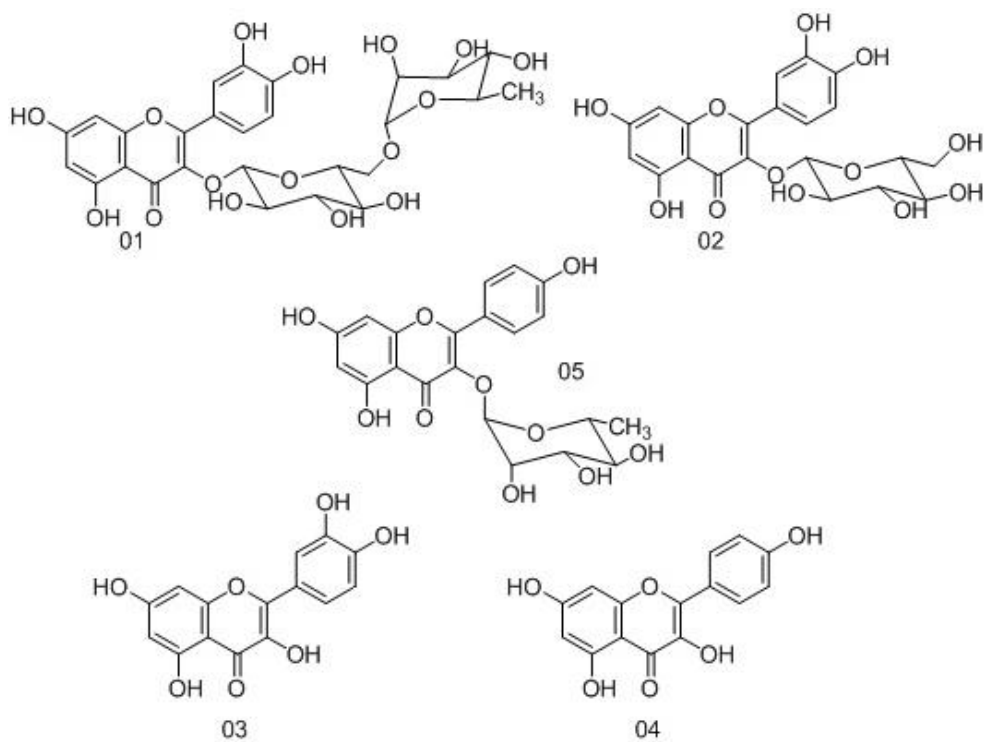
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**S:1** Flavonoid mixtures electropherograms before and after acid hydrolysis



**S 2.** Flavonoid mixtures electropherograms with and without standard addition and UV-VIS spectra overlapping



**S. 3.** Flavonoids isolated from *Bunchosia armeniaca*. Compound 01: Rutin; compound 02: isoquercitrin; compound 03: quercetin; compound 04: kaempferol and compound 05: afzelin.

**S 4.** NMR spectral data of flavonoids from *Bunchosia armeniaca* before acid hydrolysis

	rutin <b>1</b>		isoquercitrin <b>2</b>		afzelin <b>5</b>	
	$\delta_C$	$\delta_H$	$\delta_C$	$\delta_H$	$\delta_C$	$\delta_H$
C-2	158.39	-	*	-	159.3	-
C-3	135.59	-	*	-	135.54	-
C-4	179.34	-	*	-	179.31	-
C-5	162.87	-	*	-	*	-
C-6	99.89	6.20 (d, 2.1)	99.88	6.25 (d, 2.0)	99.95	6.15 (d, 2.0)
C-7	165.97	-	*	-	*	-
C-8	94.84	6.39 (d, 2.1)	94.79	6.44 (d, 2.0)	94.91	6.34 (d, 2.0)
C-9	158.43	-	*	-	158.39	-
C-10	104.64	-	104.63	-	105.57	-
C-1'	123.06	-	*	-	123.02	-
C-2'	115.99	7.66 (d, 2.1)	*	7.58 (d, 2.3)	132.36	8.05 (d, 9.0)
C-3'	145.78	-	*	-	116.11	6.88 (d, 9.0)
C-4'	149.76	-	149.71	-	161.42	-
C-5'	116.04	6.87 (d, 8.4)	*	6.82 (d, 8.6)	116.11	6.88 (d, 9.0)
C-6'	123.06	7.62 (dd, 8.4, 2.1)	*	7.57 (dd, 2.3, 8.6)	132.36	8.05 (d, 9.0)
		Glc		Glc		Rha
C-1''	102.37	5.10 (d, 7.6)	102.28	5.24 (d, 7.4)	102.32	4.46 (d, 1.6)
C-2''	75.68	*	75.63	*	71.39	*
C-3''	78.11	*	78.06	*	72.06	*
C-4''	71.34	*	69.65	*	73.86	*
C-5''	78.07	*	77.06	*	71.27	*
C-6''	68.5	3.80 (dd, 1.0, 10.7) 3.38 (dd, 6.1, 10.7)	*	*	17.83	1.06 (d, 6.2)
		Rha				
C-1'''	102.25	4.51 (d, 1.6)				
C-2'''	72.03	*				
C-3'''	72.19	*				
C-4'''	73.89	*				
C-5'''	69.68	*				
C-6'''	17.87	1.11 (d, 6.2)				

<sup>13</sup>C NMR 100 MHz; <sup>1</sup>H NMR 400 MHz; methanol-D. Data: chemical shift / ppm (multiplicity – d=doublet, dd=doublet of doublets; coupling – J / Hz). \* difficult to assign because of overlapping peaks. Glc = glucose, Rha = rhamnose.