

Supplementary Materials: Protective Effect of the Plant Extracts of *Erythroxylum* sp. against Toxic Effects Induced by the Venom of *Lachesis muta* Snake

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Table S1. Compounds identified by UPLC-Orbitrap MS in the ethyl acetate partition of *Erythroxylum ovalifolium* and *E. subsessile*.

Compounds	Rt (min)	m/z [M – H] [–]	MS/MS	Molecular Formula	Error (ppm)	Ref.
<i>Erythroxylum ovalifolium</i>						
Procyanidin dimer	0.8	577.13660	407, 289, 245, 161, 125	C ₃₀ H ₂₆ O ₁₂	1.8	[1]
(Epi)catechin	1.4	289.07188	203, 179, 125, 109	C ₁₅ H ₁₄ O ₆	0.8	[1]
Rutin	5.0	609.14611	301, 179, 151	C ₂₇ H ₃₀ O ₁₆	1.2	[2]
Eriodictyol-rhamnoside	5.3	433.11449	287, 179, 151	C ₂₁ H ₂₂ O ₁₀	1.1	[3]
Quercitrin *	5.5	447.09328	301, 179, 151	C ₂₁ H ₂₀ O ₁₁	2.1	[4]
Quercetin *	6.2	301.03532	273, 179, 151, 121	C ₁₅ H ₁₀ O ₇	0.4	[1]
Kaempferol *	6.4	285.04046	175, 161, 151	C ₁₅ H ₁₀ O ₆	0.8	[2]
Ombuin-rutinoside	6.7	637.17761	329, 314, 299	C ₂₉ H ₃₄ O ₁₆	0.5	[4]

* Compounds also found in *Erythroxylum subsessile*.

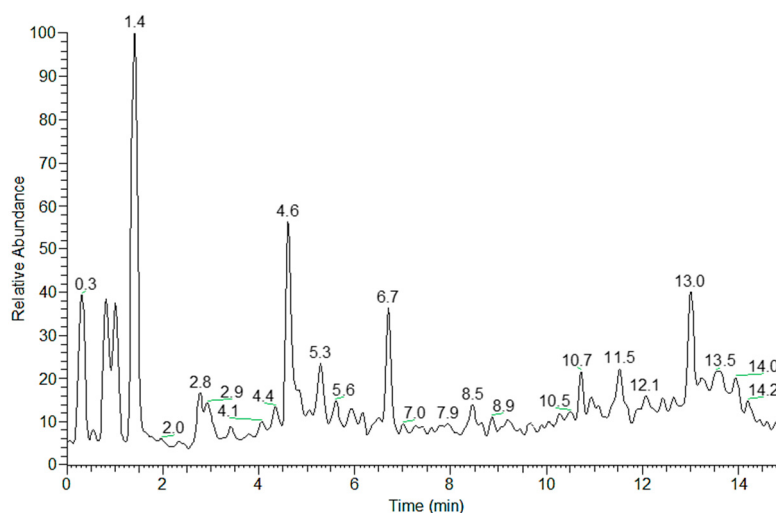


Figure S1. Total ion chromatogram of the ethyl acetate partition of *Erythroxylum ovalifolium* by UPLC-ESI-Orbitrap MS in negative ion mode.

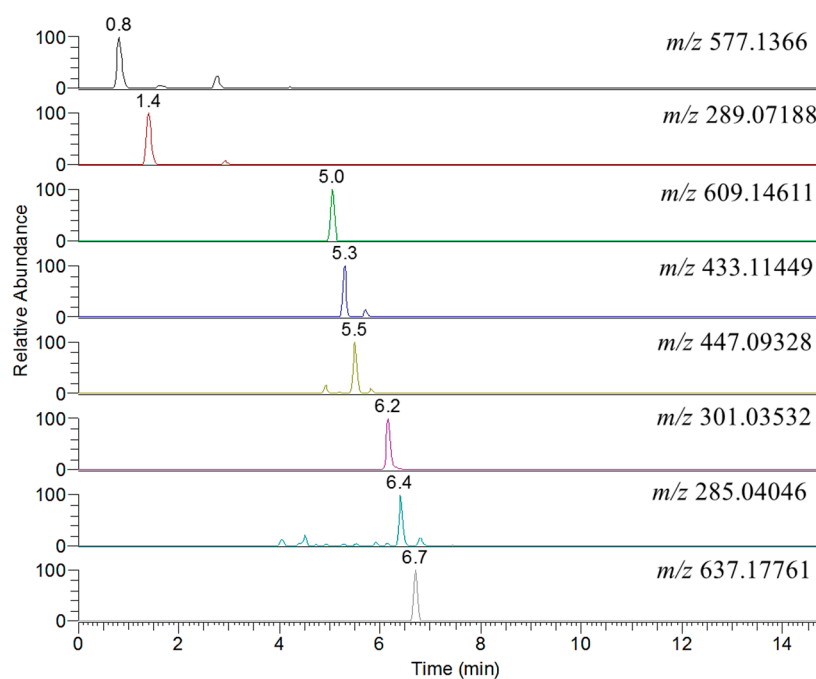


Figure S2. Extracted-ion chromatograms of the ethyl acetate partition of *Erythroxylum ovalifolium* by UPLC-ESI-Orbitrap MS in negative ion mode.

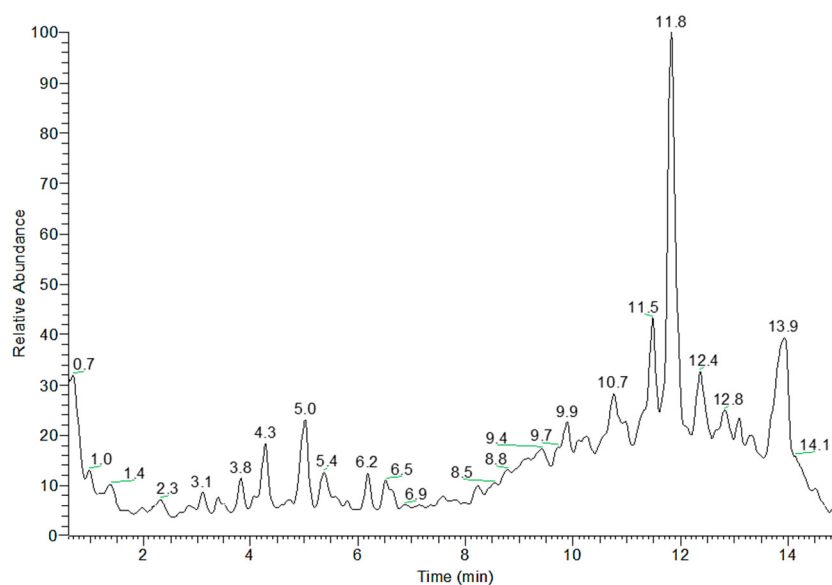


Figure S3. Total ion chromatogram of the ethyl acetate partition of *Erythroxylum subsessile* by UPLC-ESI-Orbitrap MS in negative ion mode.

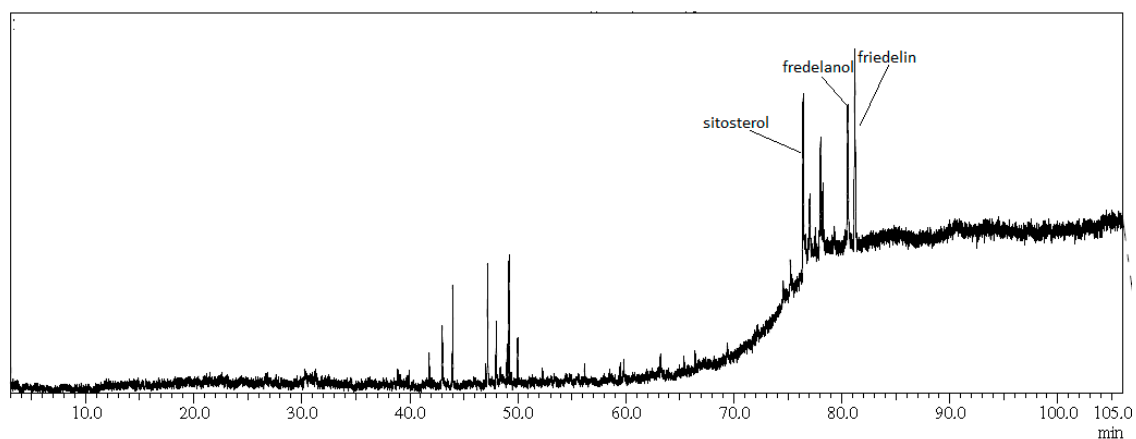


Figure S4. Total ion chromatogram of the hexane partition of *Erythroxyllum subsessile* by GC-MS.

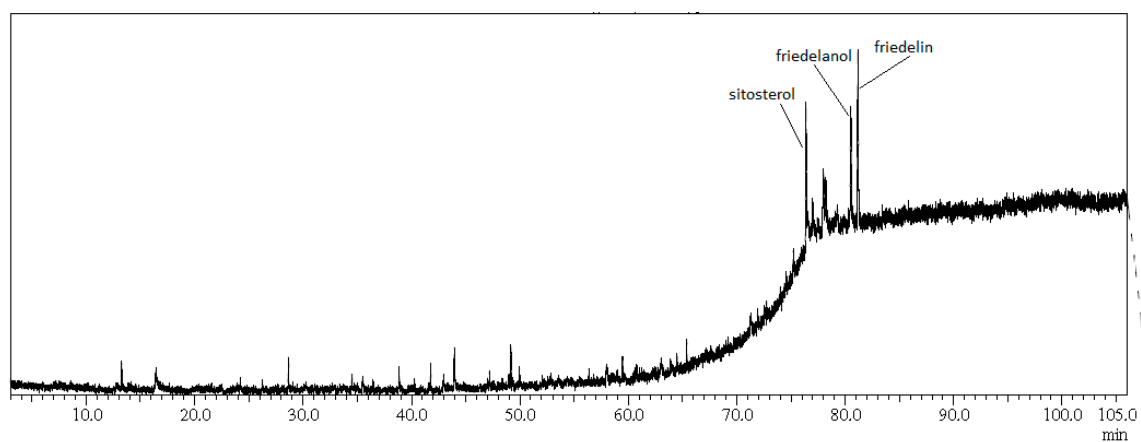


Figure S5. Total ion chromatogram of the dichloromethane partition of *Erythroxyllum subsessile* by GC-MS.

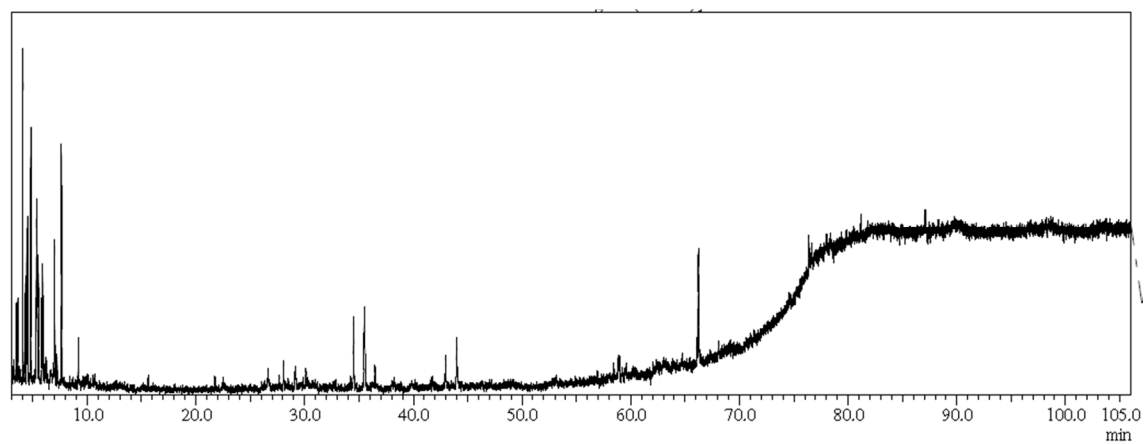


Figure S6. Total ion chromatogram of the hexane partition of *Erythroxyllum ovalifolium* by GC-MS.

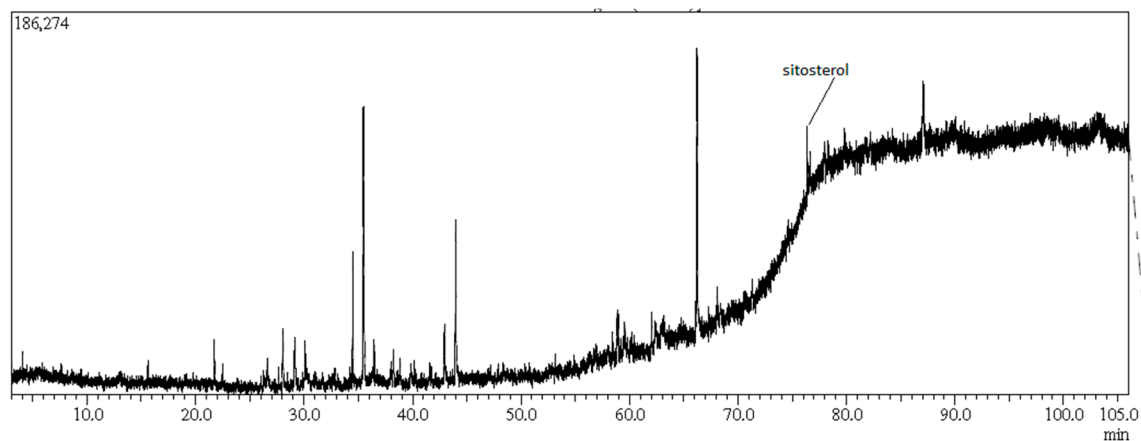


Figure S7. Total ion chromatogram of the dichloromethane partition of *Erythroxylum ovalifolium* by GC-MS.

References

1. Souza, L.M.; Cipriani, T.C.; Iacomini, M.; Gorin, P.A.J.; Sasaki, G.L. HPLC/ESI-MS and NMR analysis of flavonoids and tannins in bioactive extract from leaves of *Maytenus ilicifolia*. *J. Pharm. Biomed. Anal.* **2008**, *47*, 59–67.
2. Brito, A.; Ramirez, J.E.; Areche, C.; Sepúlveda, B.; Simirgiotis, M. J. HPLC-UV-MS Profiles of phenolic compounds and antioxidant activity of fruits from three citrus species consumed in Northern Chile. *Molecules* **2014**, *19*, 17400–17421.
3. Johnson, E.L.; Schmidt, W.F.; Cooper, D. Flavonoids as chemotaxonomic markers for cultivated Amazonian coca. *Plant Physiol. Biochem.* **2002**, *40*, 89–95.
4. Albuquerque, C.H.; Tavares, J.J.; de Oliveira, S.L.; Silva, T.S.; Gonçalves, G.R.; Costa, V.C.; Agra, M.F.; Pessôa, H.L.F.; da Silva, M.S. Flavonoides glicosilados de *Erythroxylum pulchrum* A. St.-Hil. (Erythroxylaceae). *Quim. Nova* **2014**, *37*, 633–666.