

Cytotoxic Activity of Royleanone Diterpenes from *Plectranthus madagascariensis*

Benth.

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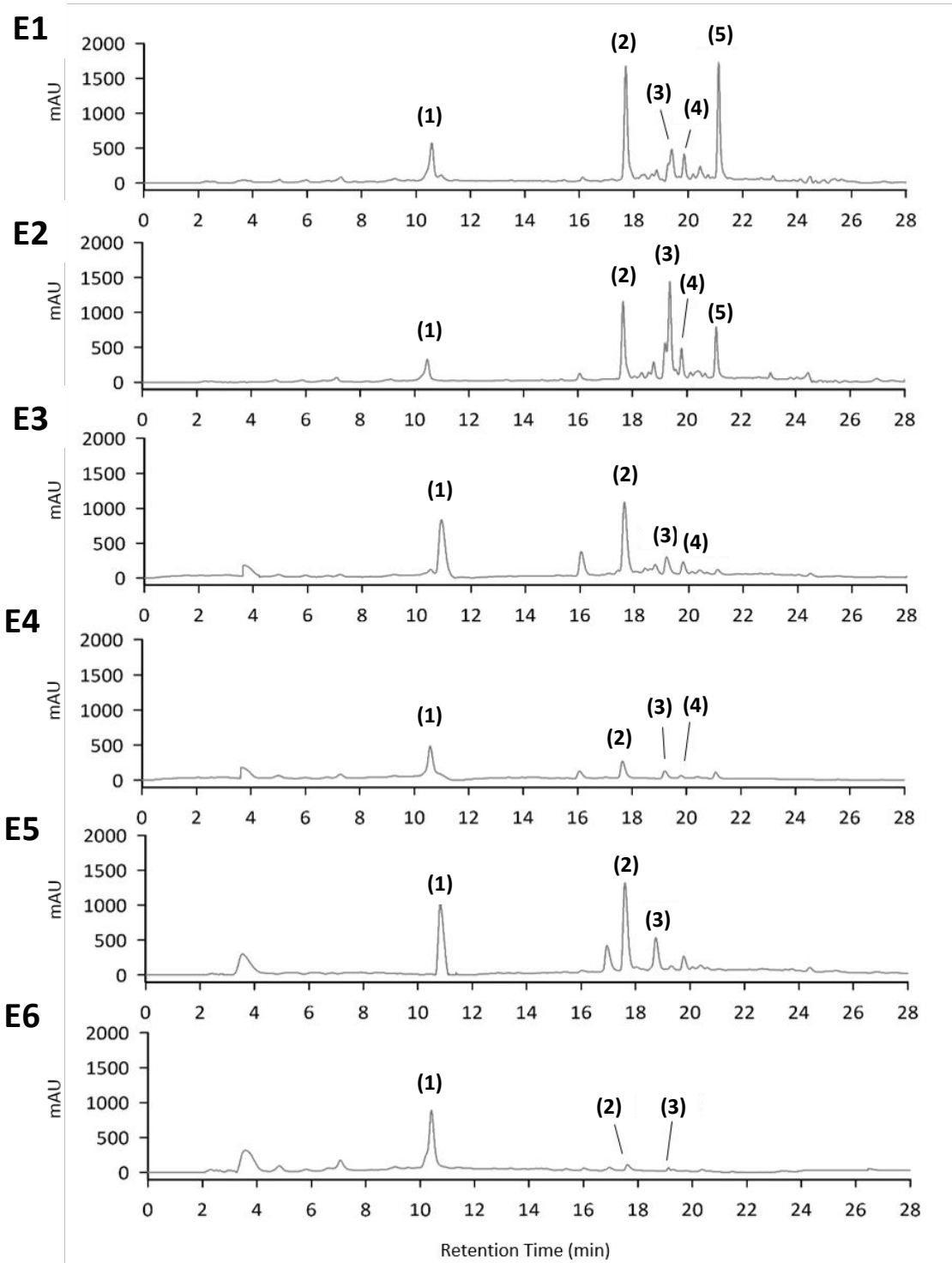


Figure S1. HPLC representative chromatograms (270 nm) of *P. madagascariensis* extracts (E1–E6).

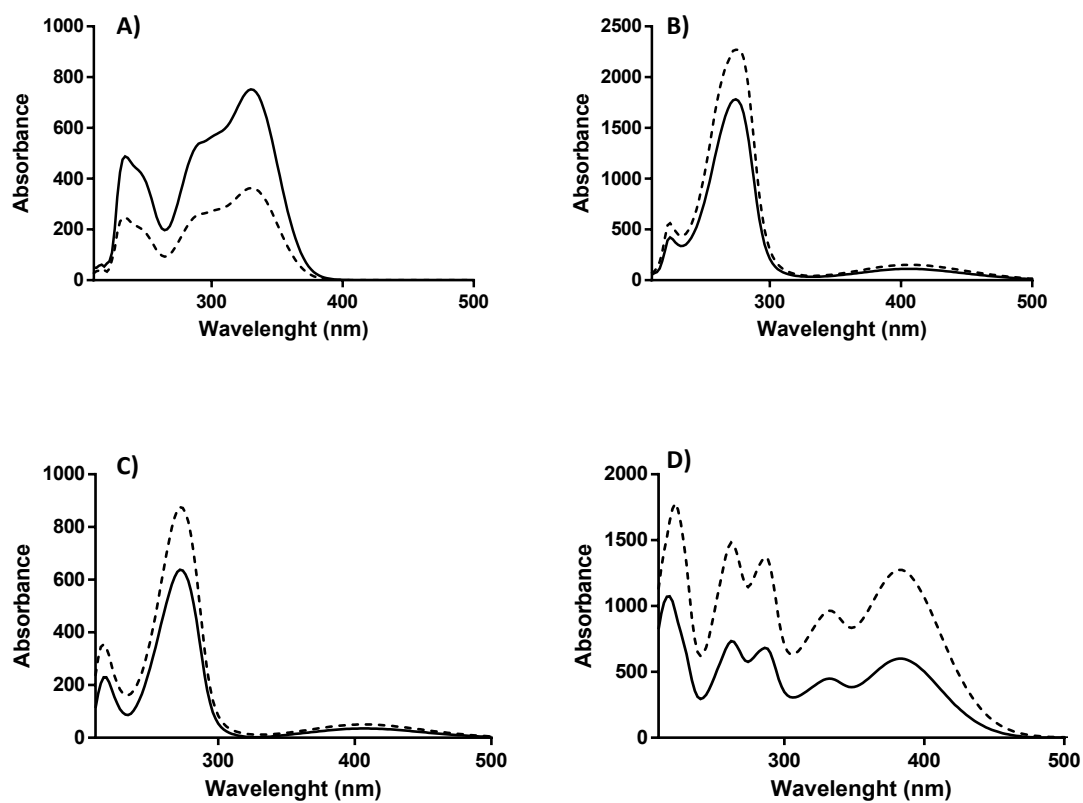


Figure S2. Overlay of sample extracts and standard solutions of **A)** rosmarinic acid (**1**); **B)** 6 β ,7 α -dihydroxyroyleanone (**2**); **C)** 7 α -acetoxy-6 β -hydroxyroyleanone (**4**); **D)** coleon U (**5**). Full line corresponds to standard solution (1 mg/mL) and discontinued line to the corresponding component in the sample extracts.

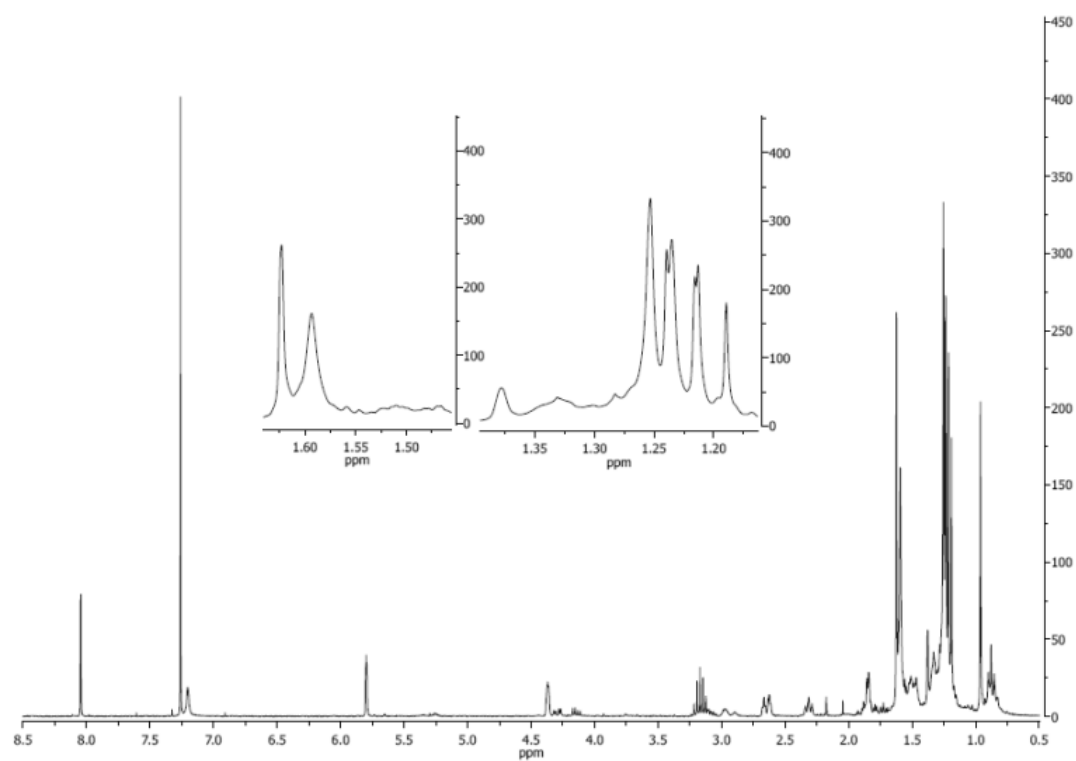
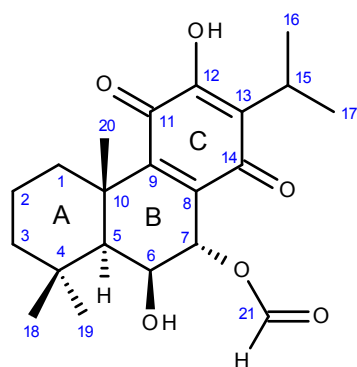


Figure S3. ^1H -NMR spectrum of 7 α -formyloxy-6 β -hydroxyroyleanone (**3**) (400 MHz, CDCl_3).

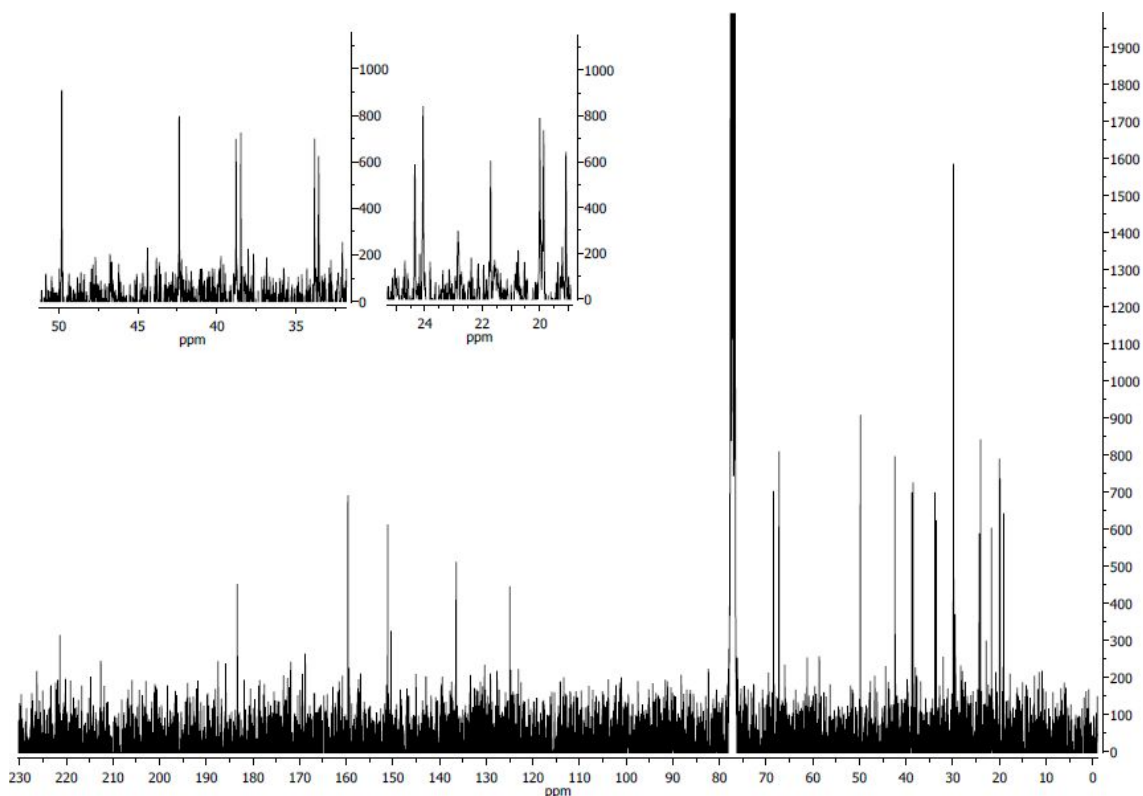


Figure S4. ^{13}C -NMR spectrum of 7 α -formyloxy-6 β -hydroxyroyleanone (**3**) (100 MHz, CDCl_3).

Table S1. Analytical parameters for HPLC-DAD component quantification of *P.*

madagascariensis extracts

Component	λ^a (nm)	Rt ^b (min)	Concentration range (mM)	Regression equation	R ²	LOD	LOQ
(1)	330	10.47±0.065	0.1–1.5	$y = 9733x - 379$	0.999	0.001	0.003
(2)	280	17.80±0.022	0.02–0.5	$y = 85490x - 155$	0.998	0.001	0.002
(3)	280	19.40±0.014	0.04–0.26	$y = 40748x - 246$	0.999	0.001	0.004
(4)	280	19.80±0.020	0.02–0.27	$y = 65383x - 204$	0.997	0.003	0.009
(5)	330	21.13±0.004	0.02–0.12	$y = 82084x + 818$	0.987	n/d	n/d

^aWavelength used for the calibration curve; ^bRetention time (Rt) of the compound as average of 12 samples $\pm$ standard deviation; LOD, limit of detection; LOQ, limit of quantification; n/d, not determined.