

Understanding *Artemisia cina* Ethyl Acetate Extract's Anthelmintic Effect on *Haemonchus contortus* Eggs and L₃ Larvae: The Synergism of Peruvian Binary Mixtures

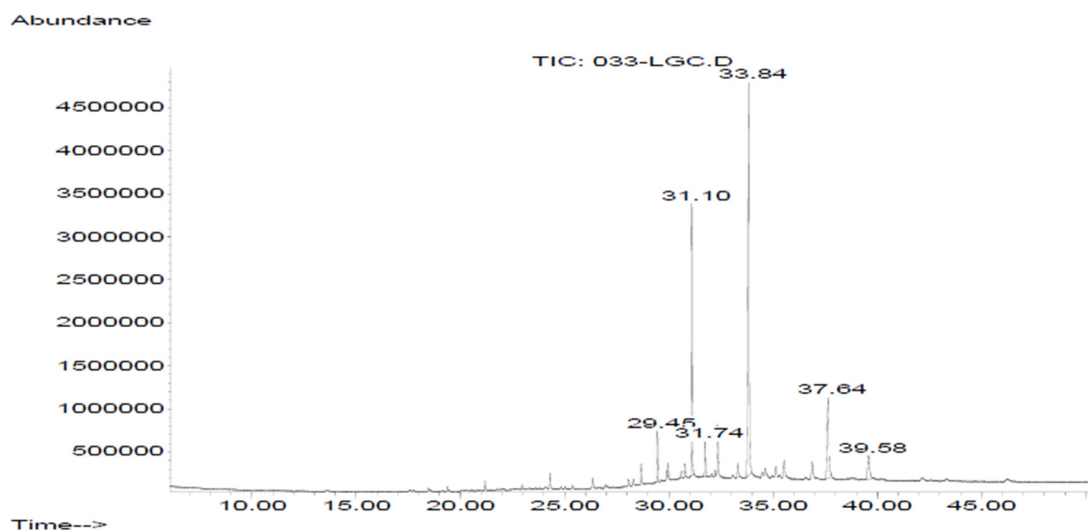
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Supplementary Material



peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max	% of total
1	29.450	3549	3558	3569	M	608451	15283564	7.50%	3.946%
2	31.105	3796	3810	3826	BB 2	3171628	82670471	40.57%	31.343%
3	31.736	3899	3906	3916	M	416056	11771847	5.78%	3.039%
4	33.838	4204	4226	4248	BB 2	4723968	203784668	100.00%	52.612%
5	37.641	4786	4805	4822	M4	950753	54055484	26.53%	3.956%
6	39.572	5083	5099	5122	M4	281208	19771821	9.70%	5.104%

Figure S1. GC-MS chromatogram of C1F3 isolated from *Artemisia cina* ethyl acetate extract.

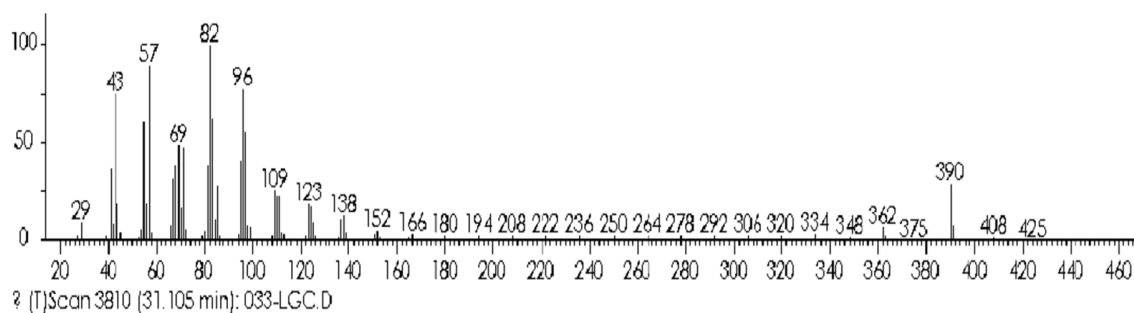


Figure S2. Mass spectra of 1-nonacosanol identified from *Artemisia cina* ethyl acetate extract.

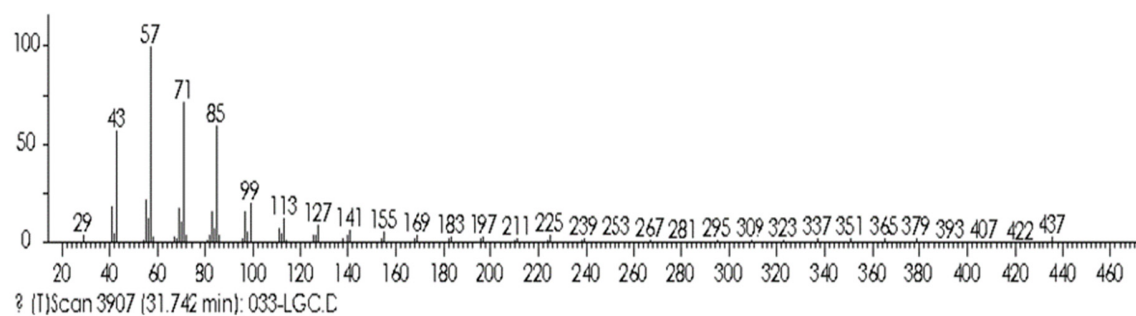
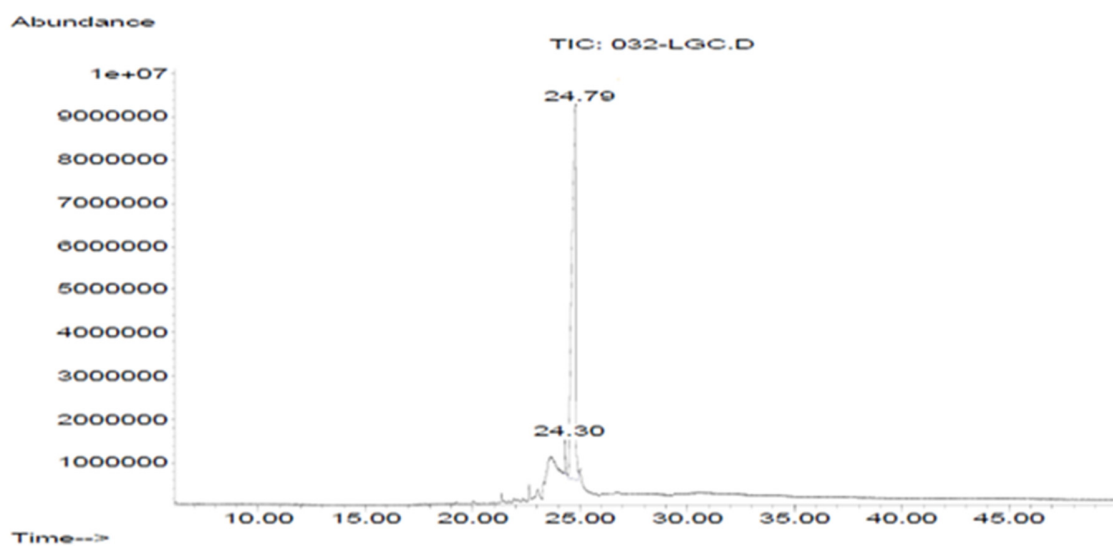


Figure S3. Mass spectra of hentriacontane identified from *Artemisia cina* ethyl acetate extract.



Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	24.300	2767	2774	2784	M	798164	22619630	6.35%	2.039%
2	24.786	2797	2848	2870	M7	8705518	1109214225	100.00%	97.961%

Figure S4. CG-MS chromatogram of cinic acid isolated from *Artemisia cina* ethyl acetate extract.

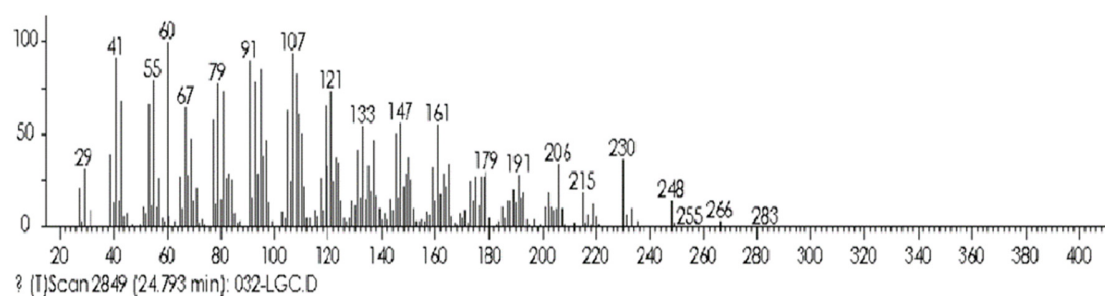


Figure S5. Cinic acid mass spectra isolated from *Artemisia cina* ethyl acetate extract.

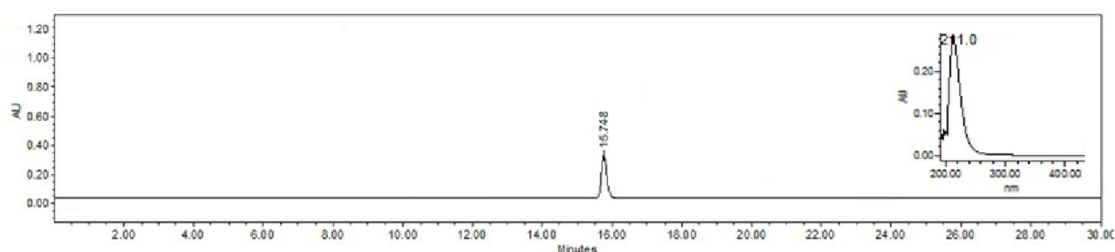


Figure S6. Chromatogram and UV-VIS spectra obtained by HPLC-DAD and viewed at 215 nm of cinic acid isolated from *Artemisia cina* ethyl acetate extract.

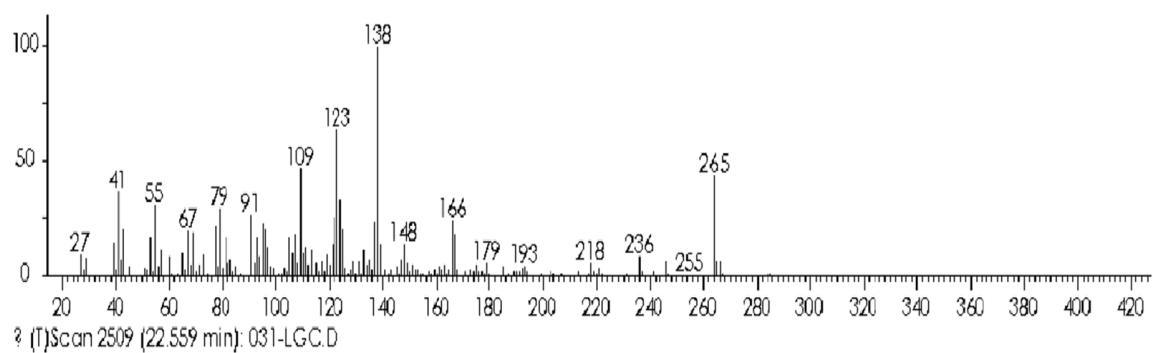


Figure S7. Peruvian mass spectra isolated from *Artemisia cina* ethyl acetate extract.

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	22.526	2279	2504	2735	M	708814	656083589	100.00%	91.711%
2	24.306	2754	2775	2790	BB	2223391	59300522	9.04%	8.289%

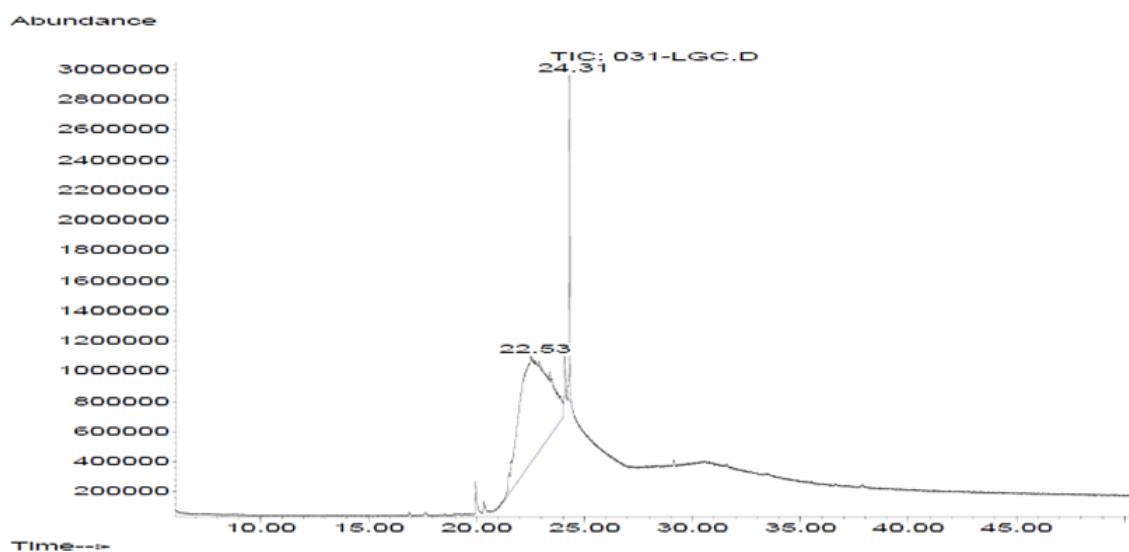


Figure S8. Peruvín CG-MS chromatogram isolated from *Artemisia cina* ethyl acetate extract.

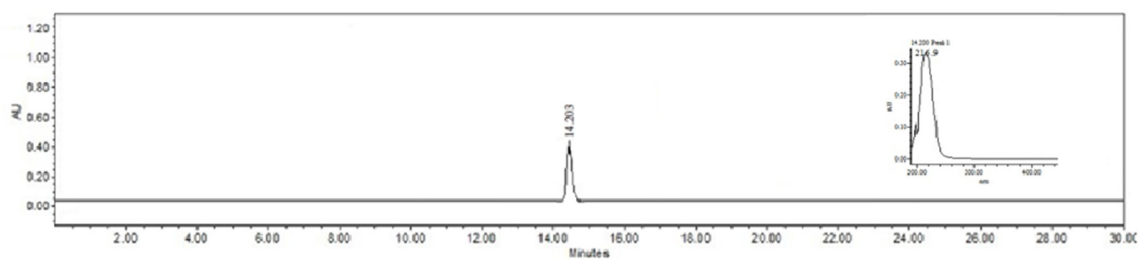


Figure S9. Chromatogram and UV-VIS spectra obtained by HPLC-DAD and viewed at 215 nm of peruvín isolated from *Artemisia cina* ethyl acetate extract.

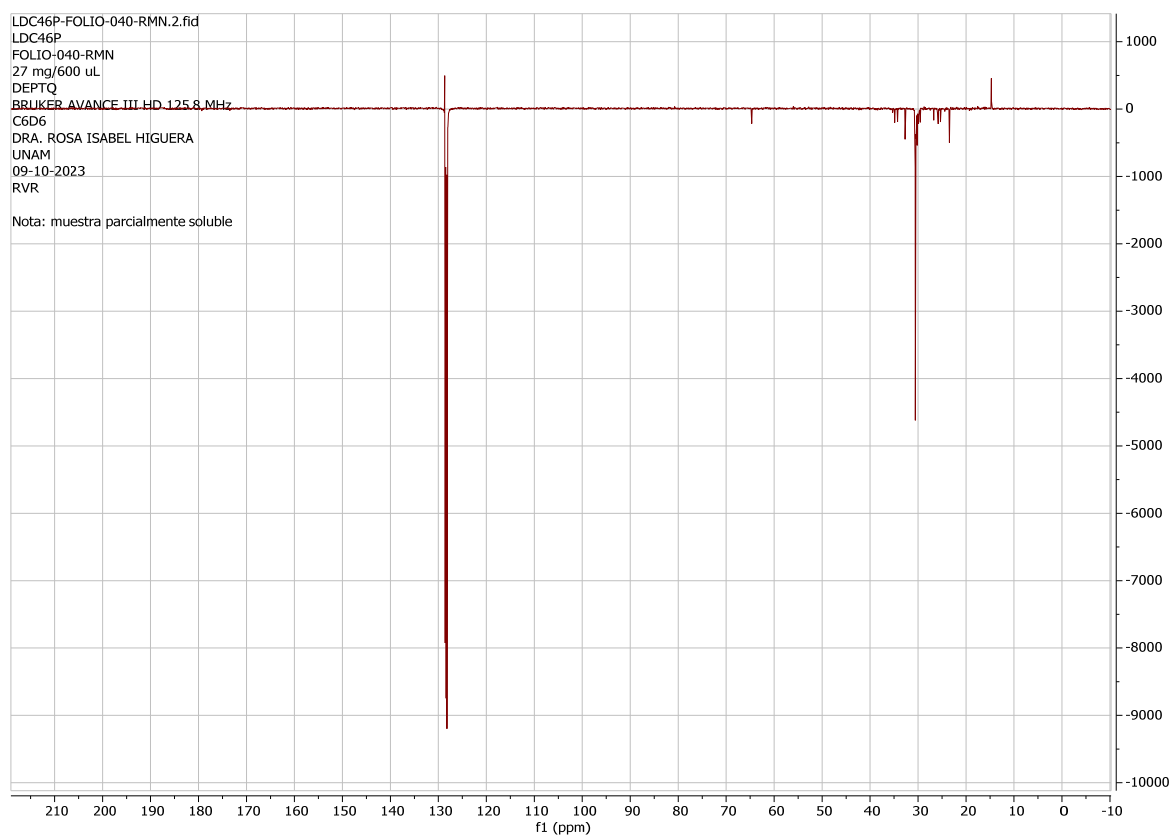


Figure S10. DEPTq spectra obtained at 500 MHz of C1F3 isolated from *Artemisia cina* ethyl acetate extract and dissolved in D₆H₆.

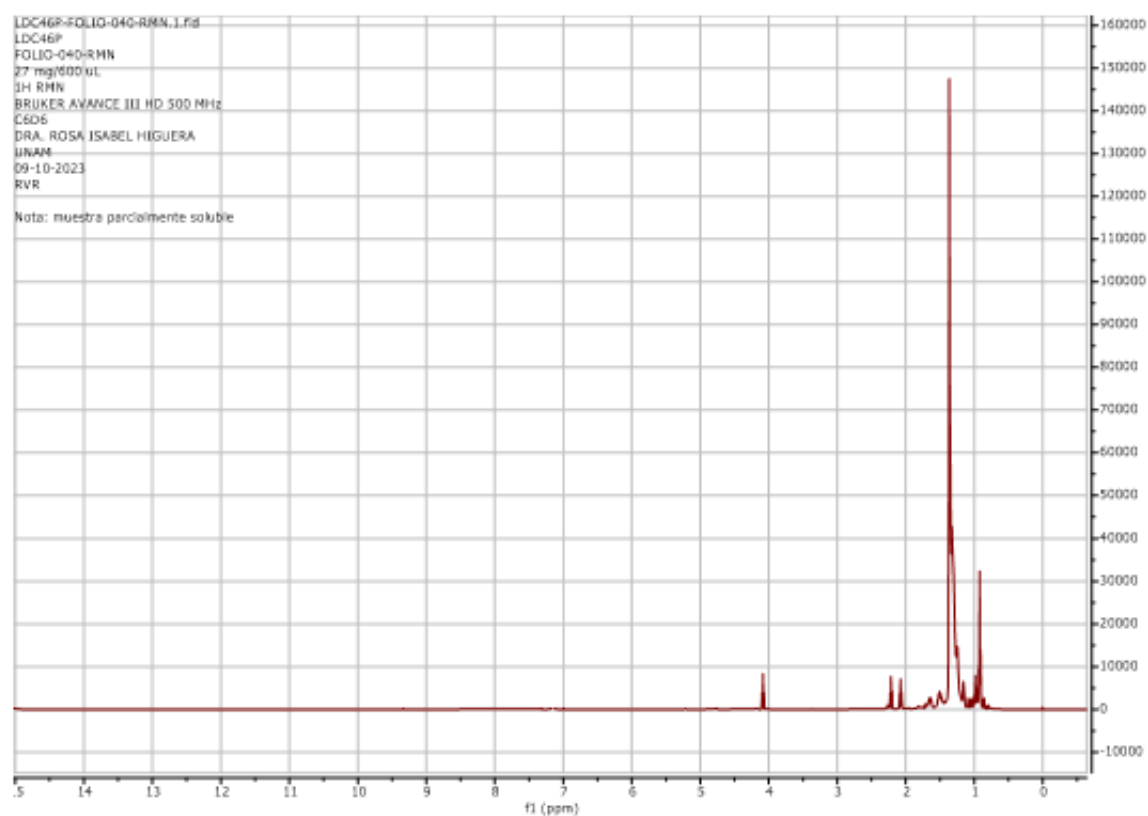


Figure S11. ^1H NMR spectra obtained at 500 MHz of C1F3 isolated from *Artemisia cina* ethyl acetate extract and dissolved in D_6H_6 .

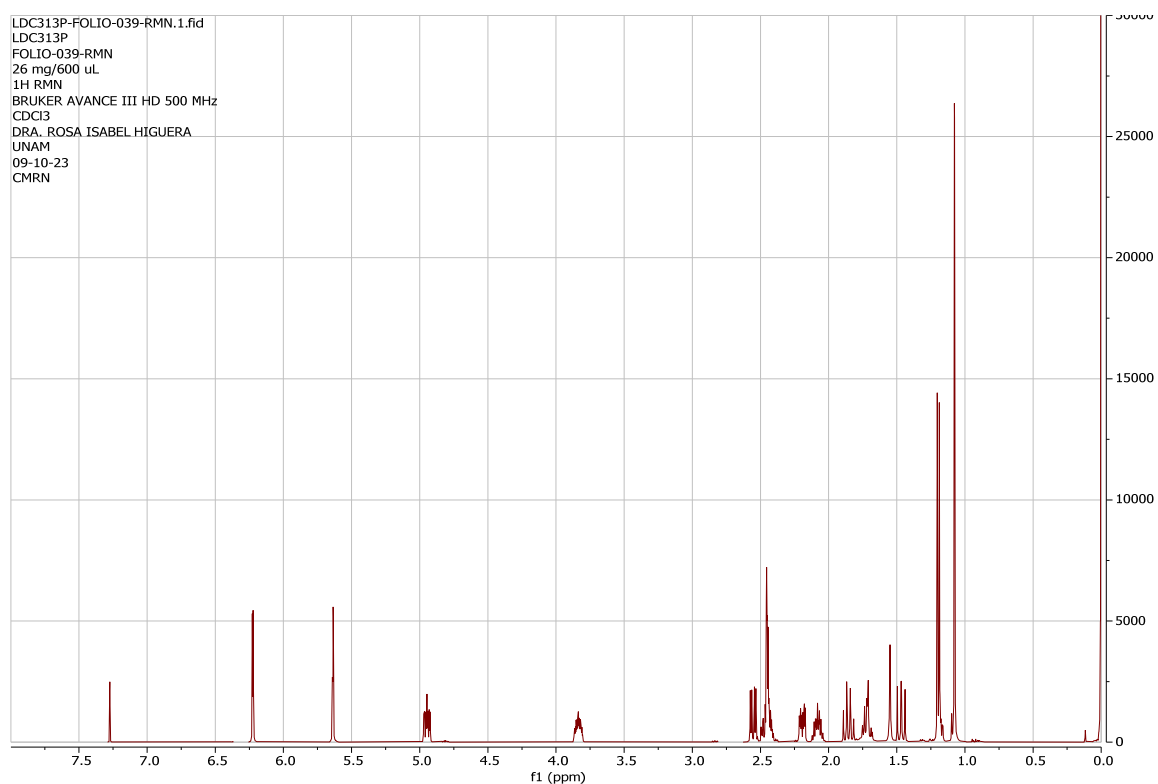


Figure S12. ¹H NMR spectra obtained at 500 MHz of peruvín isolated from *Artemisia cina* ethyl acetate extract and dissolved in CD₃Cl₃.

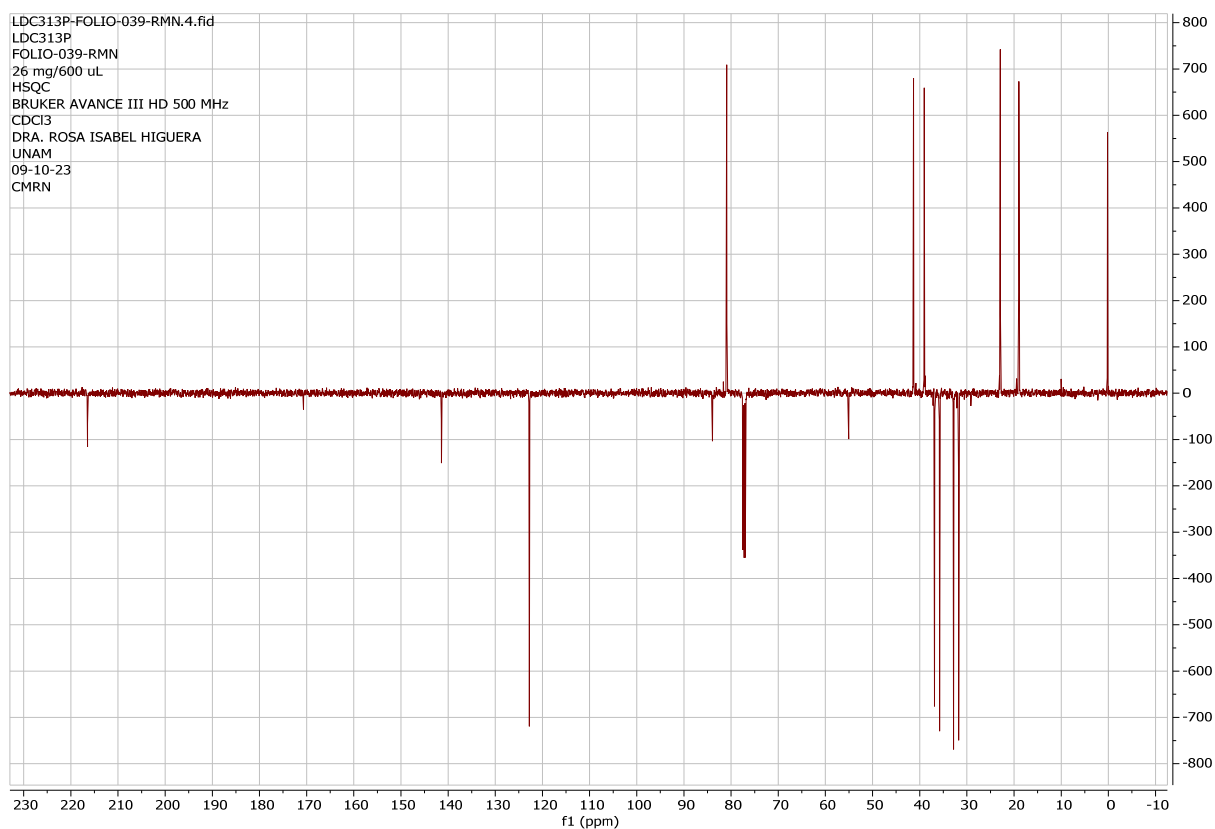


Figure S13. DEPTq spectra obtained at 500 MHz of peruvín isolated from *Artemisia cina* ethyl acetate extract and dissolved in CD₃COCD₃.

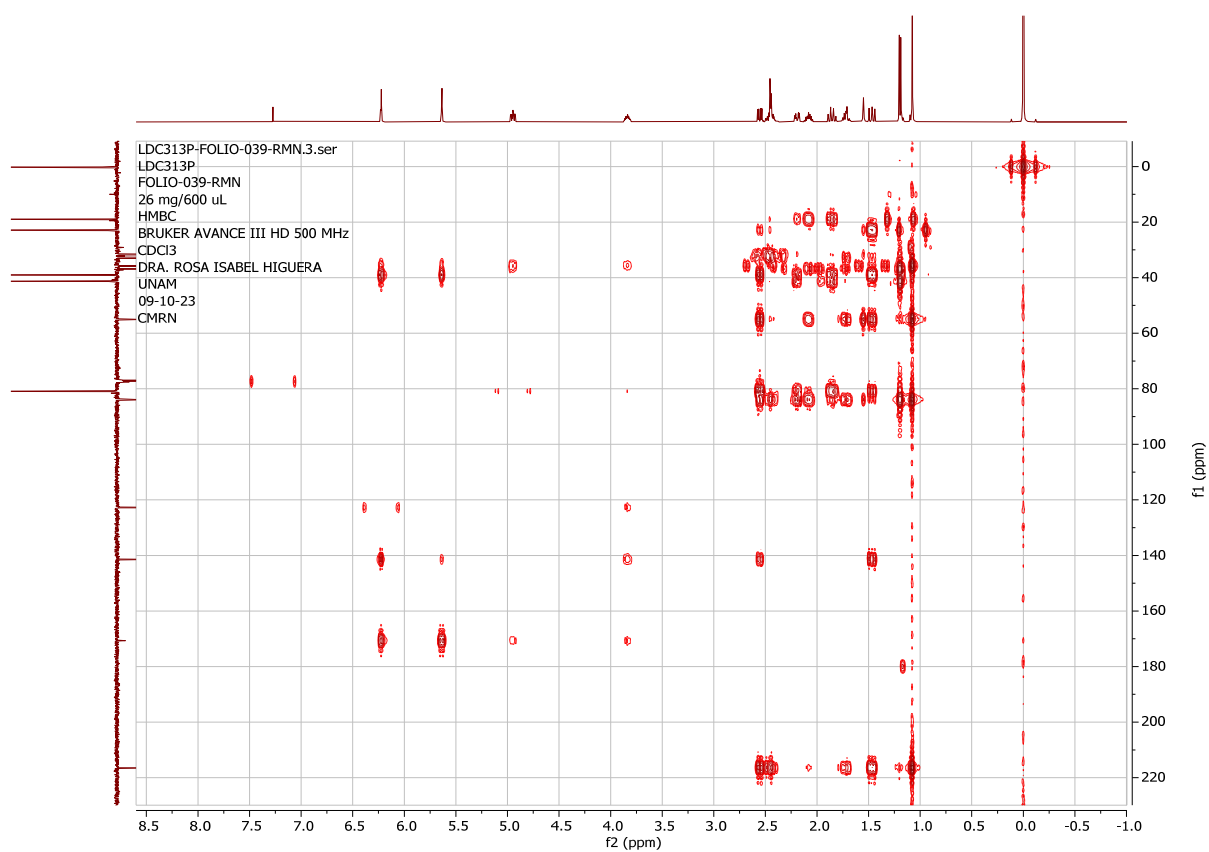


Figure S14. HMBC analysis of peruvín dissolved in CD_3Cl_3 and obtained at 500 MHz.