

Bioactive Potential: A Pharmacognostic Definition through the Screening of Four *Hypericum* Species from the Canary Islands

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Table S1. Antiproliferative activity (GI₅₀) against six human solid tumor cell lines of extracts from the aerial parts of *Hypericum* species.

Microextracts	Cell lines (<i>origin</i>)					
	A549 (<i>lung</i>)	HBL-100 (<i>breast</i>)	HeLa (<i>cervix</i>)	SW1573 (<i>lung</i>)	T-47D (<i>breast</i>)	WiDr (<i>colon</i>)
CMW	89	88	67	77	71	113
CMM	51	51	25	32	29	79
CDM	5.8	7.7	5.4	5.6	7.3	8.2
GMW	82	106	37	80	55	96
GMM	5.9	4.0	2.7	3.3	4.1	7.7
GDM	5.4	6.0	6.3	5.3	7.7	13
LMW	81	67	38	59	73	87
LMM	41	43	37	36	55	57
LDM	41	27	11	13	42	34
RMW	140	>250	73	126	86	156
RMM	76	74	49	51	59	105
RDM	34	61	20	13	46	101

Table S2. Total activity (mL/g) of microextracts from *Hypericum* species against human solid tumor cell lines.

Microextracts	Total activity (mL/g)					
	Cell lines (<i>origin</i>)					
	A549 (<i>lung</i>)	HBL-100 (<i>breast</i>)	HeLa (<i>cervix</i>)	SW1573 (<i>lung</i>)	T-47D (<i>breast</i>)	WiDr (<i>colon</i>)
CMW	955	966	1268	1104	1197	752
CMM	1863	1863	3800	2969	3276	1203
CDM	4130	3117	4449	4286	3287	2927
<i>H. canariense</i>	6948	5946	9517	8359	7760	4882
GMW	915	708	2027	937	1364	781
GMM	13556	20000	29630	24242	19512	10390
GDM	3519	3166	3016	3585	2468	1462
<i>H. grandifolium</i>	17990	23874	34673	28764	23344	12633
LMW	1716	2075	3658	2356	1900	1562
LMM	1854	1767	2054	2111	1382	1333
LDM	2220	3370	8272	7000	2166	2676
<i>H. glandulosum</i>	5790	7212	13984	11467	5448	5571
RMW	1021	572	1917	1135	1662	916
RMM	908	932	1408	1352	1169	657
RDM	353	1967	600	923	260	118
<i>H. reflexum</i>	2282	3471	3925	3410	3091	1691

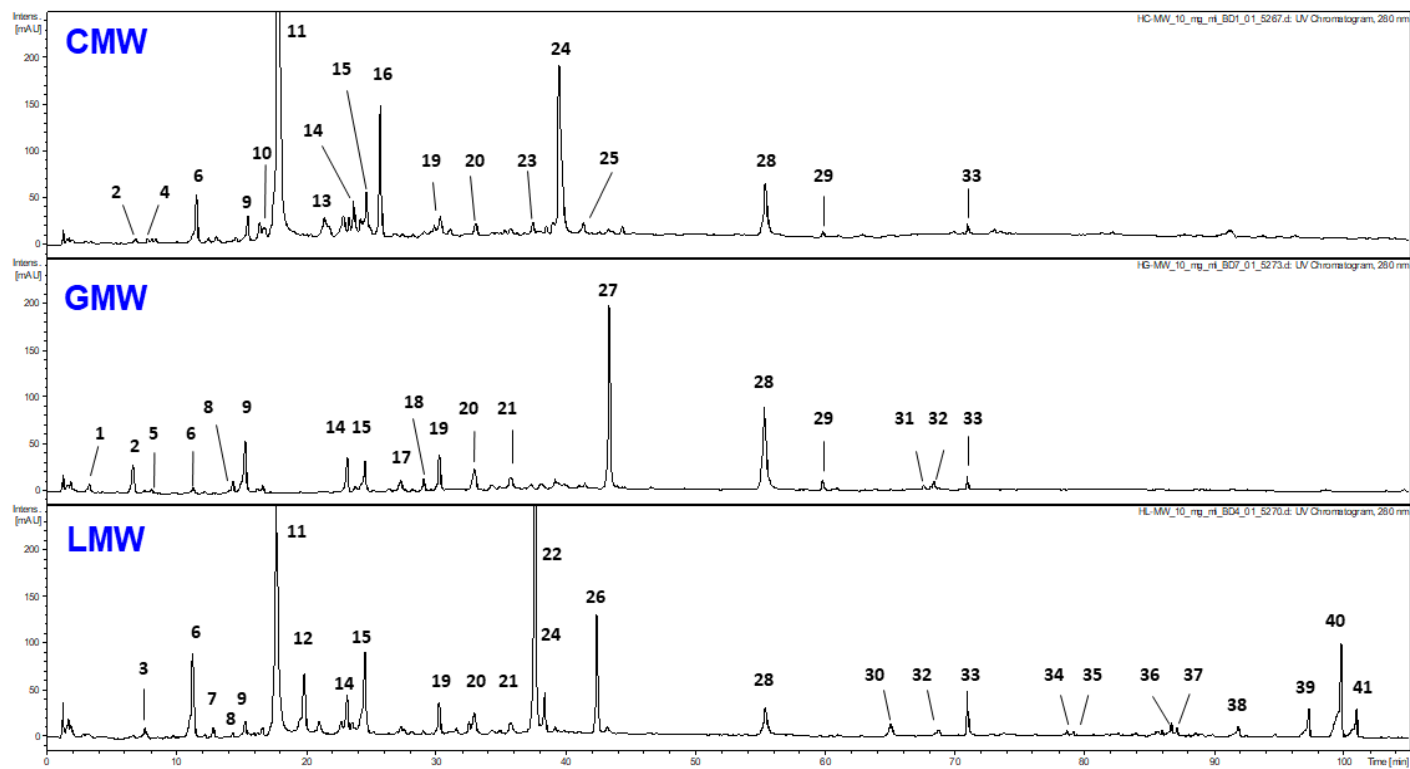


Figure S1. LC-PDA-MSn chromatograms (280 nm) for *Hypericum* MW microextracts.

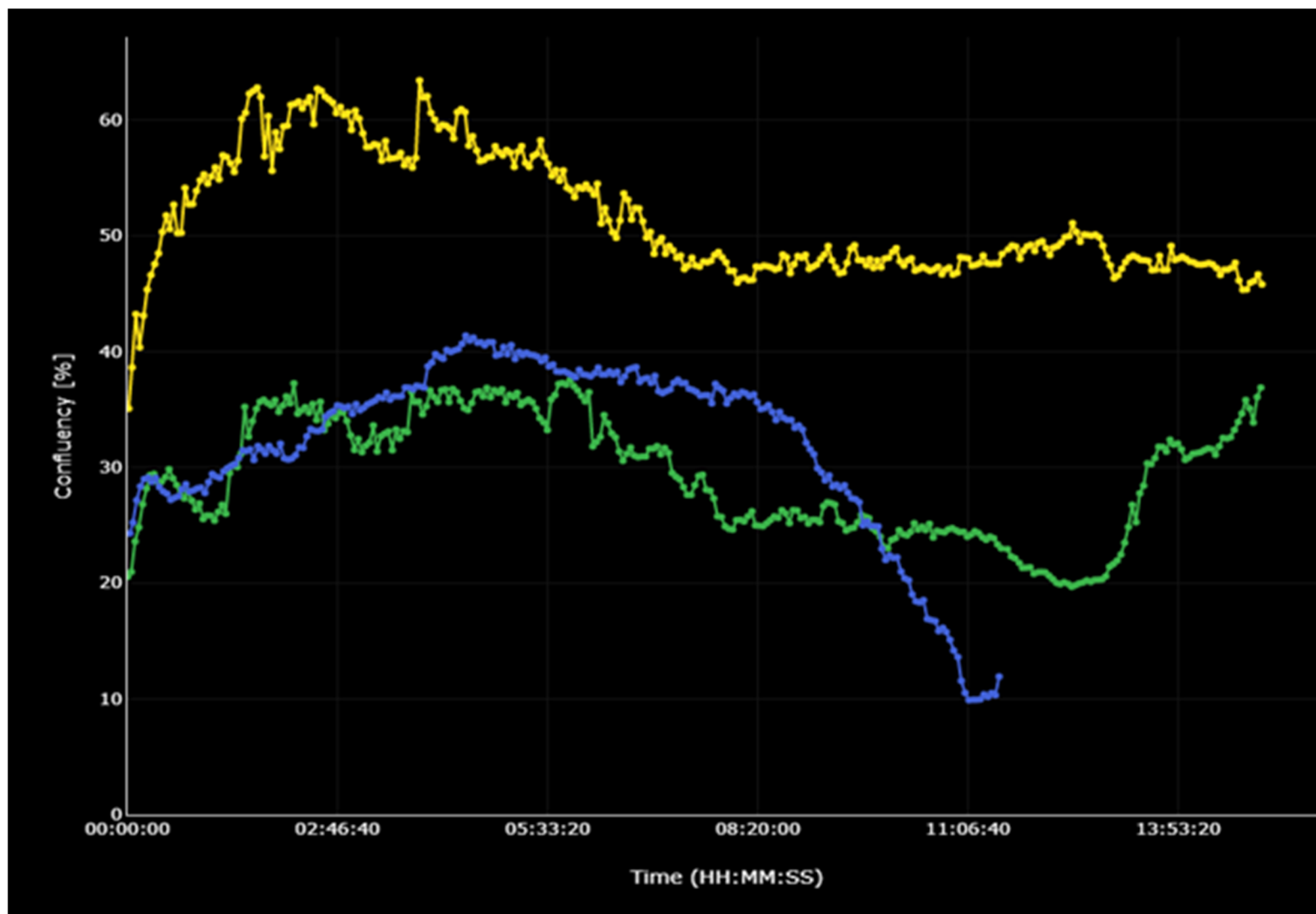


Figure S2. Confluency obtained with STEVE software based on refractive indexes resulting from CX-A observation over time. Green: untreated cells. Yellow: TAM (10 μ M). Blue: GMW (100 μ g/mL)

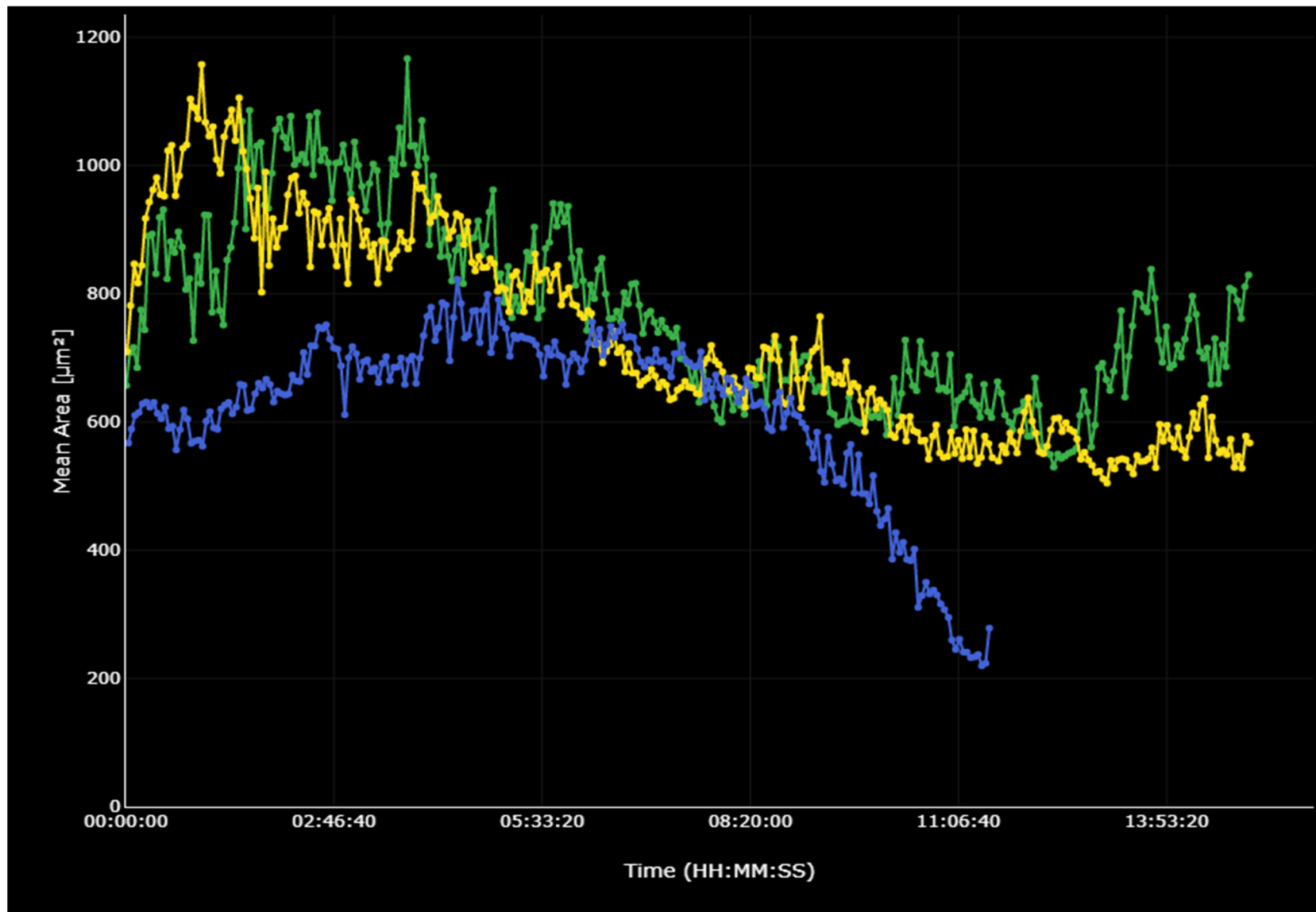


Figure S3. Mean Cell Area obtained with STEVE software based on refractive indexes resulting from CX-A observation over time Green: untreated cells. Yellow: TAM (10 μM). Blue: GMW (100 μg/mL)

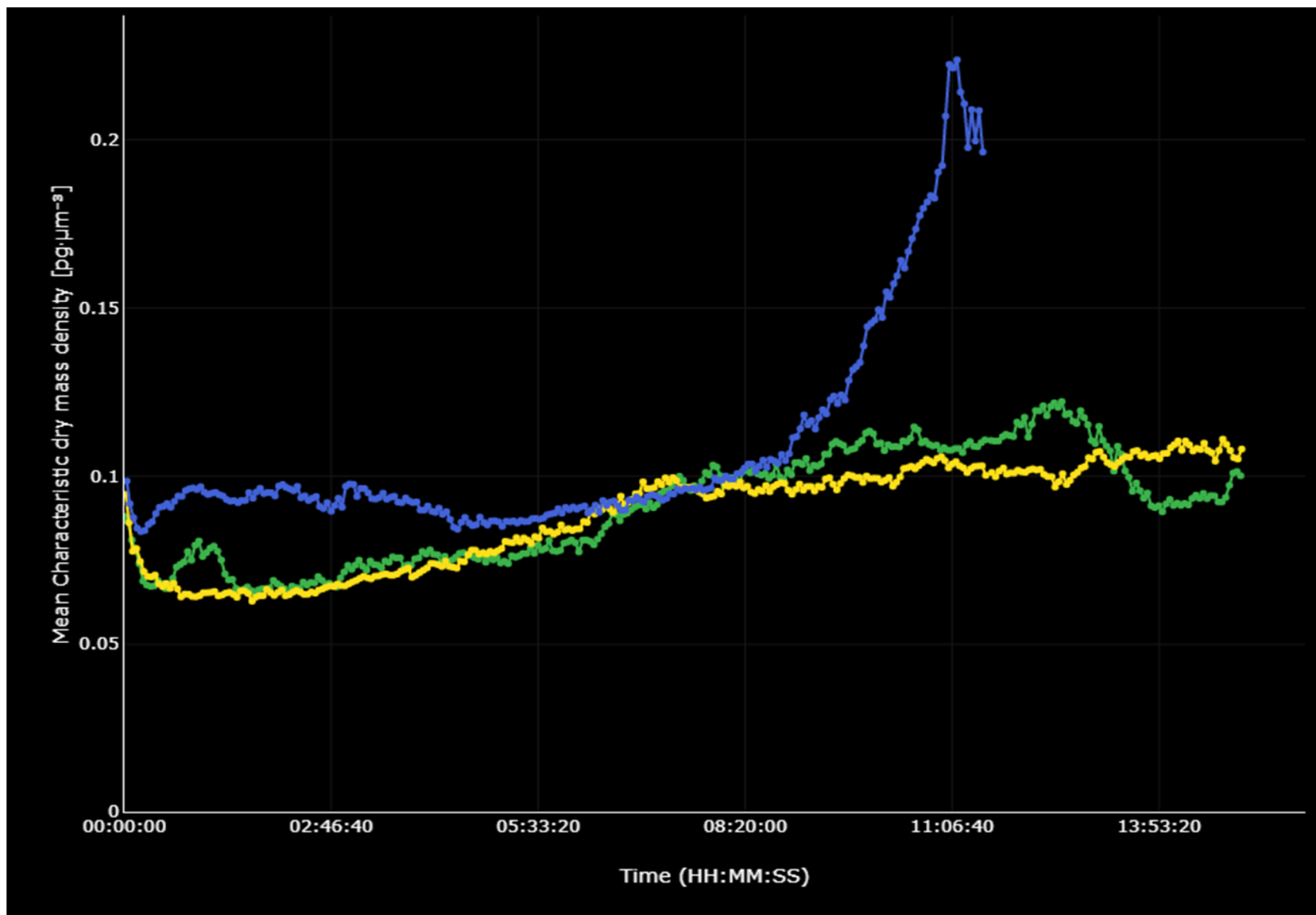


Figure S4. Average dry Mass Density obtained with STEVE software based on refractive indexes resulting from CX-A observation over time. Green: untreated cells. Yellow: TAM (10 μM). Blue: GMW (100 $\mu\text{g/mL}$).