Supplementary Material

Sunflower Metabolites Involved in Resistance Mechanisms against Broomrape

Carlos Rial, Rosa M. Varela, José M. G. Molinillo, Sara Peralta, Francisco A. Macías

TABLE S1 Mass pair (m/z) and compound-dependent parameters of the standards.

Compound name	t_R(min)	Quantifier ion (m/z)			Qualifier ion (m/z)		
		Q1 Precursor ion	Q3 Product ion	C.E [1] (eV)	Q1 Precursor ion	Q3 Product ion	C.E. [1] (eV)
Costunolide	4.86	233	187	10	233	215	10
Dehydrocostuslactone	5.02	231	185	10	231	157	10
Heliolactone	3.18	361	97	20	361	233	17
Orobanchyl acetate	4.40	411	255	14	389	233	17
GR24 (IS)	3.47	321	224	11	—	—	—
Scopoletin	2.04	193	133	22	193	178	26
Synthetic coumarin (IS)	3.71	233	189	15	233	133	29

[1] C.E.: Collision Energy

TABLE S2 Analytical characteristics of the chromatographic methods.

Compound	intercept	slope	regression coeff.	LOD µg/L	LOQ µg/L	repeatability RSD %[1]		intermediate precision RSD %[1]	
						Area	t_R	Area	t_R
Costunolide	0.0540	7.3120	0.9943	0.04	0.15	5.2	0.2	5.7	0.2
Dehydrocostuslactone	–0.1826	3.0802	0.9902	0.33	1.11	2.8	0.2	4.1	0.3
Orobanchyl acetate	–0.0070	0.0394	0.9986	0.85	2.84	4.8	0.3	5.4	0.3
Scopoletin	–0.0006	0.1040	0.9968	1.06	3.52	6.6	0.4	6.8	1.8

[1].RSD %, relative standard deviation