

## Supplementary Material:

### Intestinal Absorption of Triterpenoids and flavonoids from *Glycyrrhizae radix et rhizoma* in the Human Caco-2 Monolayer Cell Model

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**Table S1.** Regression data of compounds 2–7 and 9.

Analytes	Standard curve	R <sup>2</sup>	Linear range (μM)
2	$y=16.5348x - 93.6358$	0.9980	5–200
3	$y=30.360x - 25.134$	0.9990	2.5–50
4	$y=0.6355x + 0.1744$	0.9990	5–75
5	$y=20.4584x + 16.6306$	0.9990	2.5–75
6	$y=7.19718x + 21.3983$	0.9980	5–150
7	$y=19.6885x - 10.9668$	0.9990	10–200
9	$y=56.2833x + 30.0455$	0.9990	5–200

**Table S2.** Precision, accuracy and recovery of compounds 2–7 and 9.

Analytes	QC μM	Precision (RSD %)		Accuracy		Method recovery (%)	
		Intra-day	Inter-day	Intra-day	Inter-day	Mean	RSD
2	10	0.8	3.75	105.23	103.78	95.27	2.67
	75	0.45	2.55	100.77	98.27	96.04	2.06
	150	1.53	2.09	106.59	109.36	92.78	1.56
3	5	1.16	3.66	98.37	95.67	93.17	2.06
	30	0.28	0.31	106.22	108.72	105.6	1.99
	60	0.09	0.82	99.1	96.38	93.19	2.5
4	10	0.4	1.49	105.23	103.78	95.27	2.67
	50	0.1	1.24	100.77	98.27	96.04	2.06
	80	0.16	1.34	106.59	109.36	92.78	1.56
5	10	1.16	3.66	98.37	95.67	93.17	2.06
	60	0.28	0.31	106.22	108.72	105.65	1.99
	120	0.09	0.82	99.1	96.38	93.19	2.5
6	10	0.72	1.87	99.45	110.1	98.24	1.39
	80	0.74	1.95	104.7	103.76	89.99	2.05
	160	0.42	1.75	95.34	105.43	99.4	1.94
7	10	1.52	3.92	95.77	98.29	106.22	2.15
	80	0.57	4.25	102.35	105.56	110.23	1.06
	160	0.26	2.81	97.38	100.2	107.11	1.85
9	10	0.08	1.33	99.27	103.82	97.21	1.88
	80	0.88	1.13	95.27	98.56	98.51	1.23
	160	0.28	1.03	103.67	106.21	94.31	0.97

**Table S3.** The total recovery and the intracellular accumulation percentage of the assayed compounds **2–7** and **9** from the Caco-2 cell monolayer at the end of transport ( $n = 3$ ).

Analytes	AP→BL		BL→AP	
	Total recovery/% <sup>a</sup>	CA/% <sup>b</sup>	Total recovery/% <sup>a</sup>	CA/% <sup>b</sup>
<b>2</b>	97.04 ± 0.36	–	91.63 ± 1.27	–
<b>3</b>	85.06 ± 2.33	0.25 ± 0.01	98.24 ± 0.59	–
<b>4</b>	81.88 ± 0.67	50.52 ± 1.88	90.36 ± 2.74	42.56 ± 2.36
<b>5</b>	96.2 ± 0.19	–	94.53 ± 2.89	–
<b>6</b>	97.52 ± 1.26	–	96.13 ± 4.55	–
<b>7</b>	96.88 ± 2.67	–	97.71 ± 3.29	–
<b>9</b>	87 ± 2.78	–	94.79 ± 4.29	–

<sup>a</sup>Total recovery: the percentage of the total amount of assayed compound recovered from both sides and intracellular accumulation in Caco-2 cell monolayer relative to the original amount; <sup>b</sup> CA (cell accumulation): the percentage of assayed compound that accumulated in the cell monolayer relative to the original amount.

–: not detected.