

## Supplement 11.

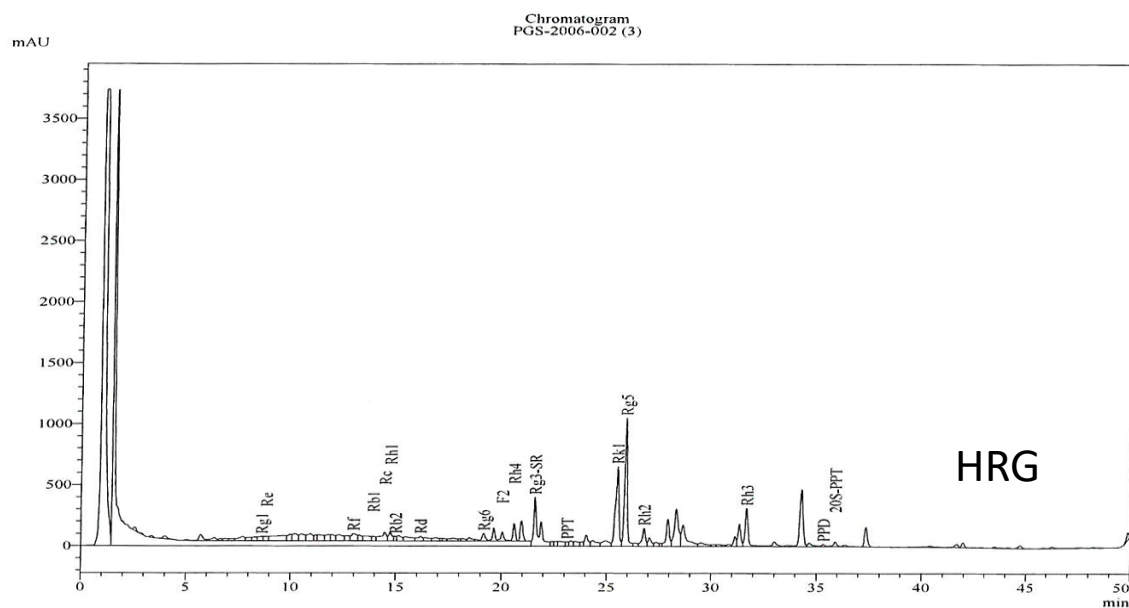
The composition (%) of powdered herbal preparations (HRG80™ and WG™) and their extracts (HRG and WG) used *in vitro* experiments:

	Extract of red ginseng (HRG)	Extract of white ginseng (WG)	Red ginseng Dry powder (HRG80™)	White ginseng Dry powder (WG™)
Rg1	0.093	0.138	0.023	0.035
Re	0.455	2.695	0.114	0.678
Rf	0.322	0.322	0.081	0.081
<b>Rb1</b>	<b>0.183</b>	<b>4.250</b>	<b>0.046</b>	<b>1.069</b>
Rg2	0.000	0.141	0.00	0.035
Rc	1.886	3.402	0.473	0.856
Rh1	0.282	0,00	0.071	0.00
Rb2	0.517	4.309	0.130	1.084
F1	0.019	0.035	0.005	0.009
Rd	1.904	3.810	0.477	0.958
Rg6	0.868	0.058	0.218	0.015
F2	0.524	1.413	0.131	0.355
Rh4	4.356	0.722	1.092	0.182
<b>Rg3-(S-R)</b>	<b>4.307</b>	<b>0.309</b>	<b>1.080</b>	<b>0.078</b>
PPT (20-R)	0.087	0.014	0.022	0.004
<b>Rk1</b>	<b>4.027</b>	<b>0.112</b>	<b>1.009</b>	<b>0.028</b>
C(k)	0,000	0,000	0.00	0.00
<b>Rg5</b>	<b>7.534</b>	<b>0.031</b>	<b>1.888</b>	<b>0.008</b>
Rh2	0.924	0.117	0.232	0.029
Rh3	1.817	0.015	0.455	0.004
20S-PPT	0.061	0.187	0.015	0.047
PPD	0.150	0.073	0.038	0.018
<b>Total</b>	<b>30.32</b>	<b>22.15</b>	<b>7.599</b>	<b>5.572</b>

100 g HRG80 powder contains 25.06 g Extract (DER 4 : 1) including 7.6 g of total ginsenosides  
 100 g WG powder contains 25.16 g Extract (DER 4:1) including 5.57 g of total ginsenosides.

Abbreviations of test samples used in vitro experiments:

Sample name	Concentration ng/ml
HRG1	10000
HRG2	1000
HRG3	100
HRG4	10
HRG5	0.01



**Figure S1.** HPLC fingerprint.