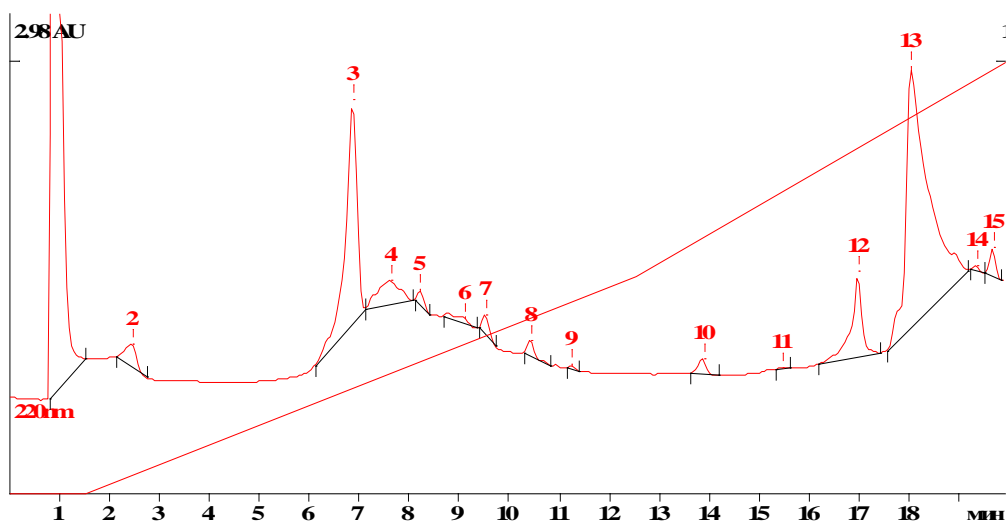


# **Supplementary Materials**

## **Antihypothyroid Effect of Salidroside**

**Nazym K. Korbozova, Nataliya O. Kudrina, Nataliya A. Zhukova, Alexander E. Grazhdannikov, Irina V. Blavachinskaya, Gulnaz A. Seitimova, Timur E. Kulmanov, Tatyana G. Tolstikova \* and Nina V. Terletskaya \***

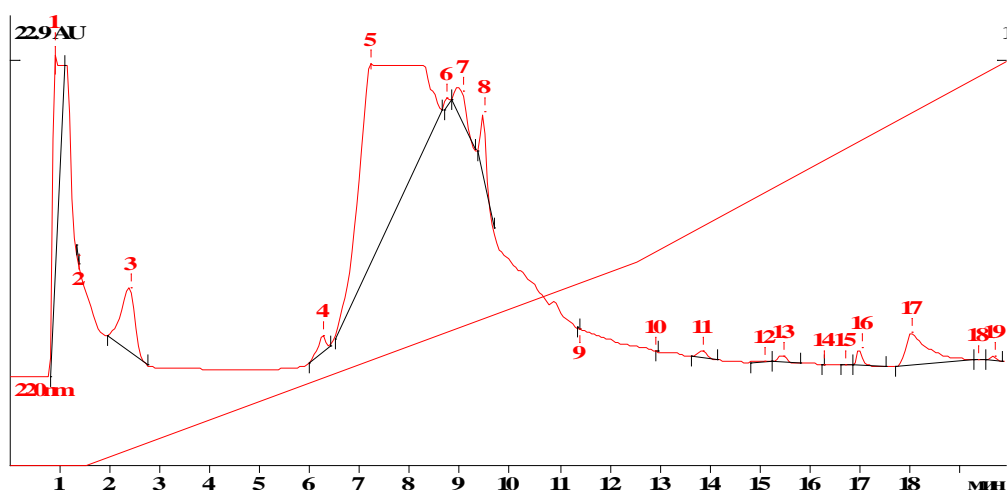
\*Correspondence: tg\_tolstikova@mail.ru (T.G.T.); teni02@mail.ru (N.V.T.); Tel.: +7-(913)-7280399 (T.G.T.); Tel.: +7-(777)-2993335 (N.T.V.)



Report date: 06.12.2021 17:10:49  
 SAMPLE: Tyrosol 2; 3.3mg/20ml MeOH; 20mkl  
 Volume: 20.0 µl  
 COLUMN: ProntoSil-120-5-C18 AQ  
 Size: 2.0 x 75 mm  
 Part.size: 5.0 µm  
  
 Comments Tyrosol 2; in MeOH; MeOH-H3PO4 1:9-11:9-1:0 300:2500:4000  
 Flow: 200.00 mkl/min  
 Temperature: 35.0°C  
 Pressure: 5.0 MPa

No	Retention, mkl	Height, AU	Area, AU*mkl	Area, %	Tyrosol
1	180.24	18.30	586.421	63.16	
2	492.53	0.16	8.668	0.93	
3	1375.70	1.55	80.025	8.62	
4	1524.65	0.17	17.219	1.85	
5	1645.42	0.12	3.189	0.34	
6	1818.39	0.04	3.341	0.36	
7	1908.40	0.16	4.843	0.52	
8	2085.03	0.11	3.453	0.37	
9	2248.24	0.03	0.663	0.07	
10	2772.97	0.10	3.575	0.39	
11	3087.52	0.01	0.362	0.04	
12	3395.23	0.59	28.326	3.05	
13	3606.74	1.79	182.070	19.61	
14	3867.17	0.05	1.332	0.14	
15	3932.19	0.20	5.016	0.54	
	3981.63	23.37	928.504	100.00	

**Figure S1.** Chromatogram of tyrosol calibration solution-2 (220nm)



Report date: 06.12.2021 17:09:06  
 SAMPLE: Extr 4(upar); 169.8mg/3ml MeOH-H<sub>2</sub>O(2:1); 20mkl  
 Volume: 20.0 µl  
 COLUMN: ProntoSil-120-5-C18 AQ  
 Size: 2.0 x 75 mm  
 Part.size: 5.0 µm  
 Comments: Extr 4(upar); in MeOH-H<sub>2</sub>O; MeOH-H<sub>3</sub>PO<sub>4</sub> 1:9-11:9-1:0 300:2500:4000  
 Flow: 200.00 mkl/min  
 Temperature: 35.0°C  
 Pressure: 5.0 MPa

No	Retention, mkl	Height, AU	Area, AU*mkl	Area, %	Tyrosol
1	179.39	13.04	340.195	9.88	
2	270.65	-0.06	-0.329	-0.01	
3	479.76	3.59	232.402	6.75	
4	1250.88	0.86	27.442	0.80	
5	1445.62	11.01	2381.572	69.20	
6	1743.63	0.43	6.033	0.18	
7	1807.77	1.76	85.933	2.50	
8	1896.01	4.02	109.105	3.17	
9	2274.53	0.00	-0.012	0.00	
10	2581.62	0.00	-0.016	0.00	
11	2769.09	0.37	14.597	0.42	
12	3011.84	0.03	1.311	0.04	
13	3091.84	0.40	16.502	0.48	
14	3247.84	0.00	-0.006	0.00	
15	3335.29	0.01	0.292	0.01	
16	3396.28	1.01	25.233	0.73	
17	3604.27	1.85	192.118	5.58	
18	3869.58	0.05	1.013	0.03	
19	3931.22	0.28	7.663	0.22	
	3981.73	38.77	3441.775	100.00	

Dry residue content in extract 4:  $(100 \cdot 0.4367) / 42.8450 = 1.02 \%$

Tyrosol content in dry part of extract 4:  $(100 \cdot 27.442 \cdot 3.3/20) / (80.025 \cdot 169.8/3) = 0.0999\%$  (calibr. sol. 2 – 220nm)

Salidroside content in the dry part of extract 4: 0.217%

**Figure S2.** Determination of salidroside content during the flowering in the root of the plants of *R. semenovii*