

The products listed in this brochure are highly purified extracts from traditional chinese herb medicines, natural substances. They allow to use as standard reference materials for HPLC separation and for pharmacological studies.

### Product List

Product name	CAS No.	Formula	M. W.	Purity	Grade	Storage	Code No.	PKG Size
Alisol Acetate B	26575-95-1	C <sub>32</sub> H <sub>50</sub> O <sub>5</sub>	514.74	98%(HPLC)	SP	R	01284-54	10 mg
							01284-96	30 mg
Baicalin	21967-41-9	C <sub>21</sub> H <sub>18</sub> O <sub>11</sub>	446.36	98%(HPLC)	SP	R	03725-14	30 mg
Barbaloin	1415-73-2	C <sub>21</sub> H <sub>22</sub> O <sub>9</sub>	418.39	98%(HPLC)	SP	R	03726-46	10 mg
							03726-04	30 mg
Berberine Hydrochloride	633-65-8	C <sub>20</sub> H <sub>18</sub> ClNO <sub>4</sub>	371.81	98%(HPLC)	SP	R	04748-36	10 mg
							04748-94	30 mg
d-Catechin	154-23-4	C <sub>15</sub> H <sub>14</sub> O <sub>6</sub>	290.27	98%(HPLC)	SP	R	07441-46	10 mg
							07441-04	30 mg
Geniposide	24512-63-8	C <sub>17</sub> H <sub>24</sub> O <sub>10</sub>	388.37	98%(HPLC)	SP	R	16654-86	10 mg
							16654-44	30 mg
Gingerol	23513-14-6	C <sub>17</sub> H <sub>26</sub> O <sub>4</sub>	294.39	98%(HPLC)	SP	R	16739-44	10 mg
							16739-86	30 mg
Ginsenoside Rg1	22427-39-0	C <sub>42</sub> H <sub>72</sub> O <sub>14</sub>	801.01	98%(HPLC)	SP	R	16741-36	10 mg
							16741-94	30 mg
Glycyrrhizin	1405-86-3	C <sub>42</sub> H <sub>62</sub> O <sub>16</sub>	822.93	98%(HPLC)	SP	R	17239-06	10 mg
							17239-64	30 mg
Honokiol	35354-74-6	C <sub>18</sub> H <sub>18</sub> O <sub>2</sub>	266.33	98%(HPLC)	SP	R	18239-76	30 mg
Magnolol	528-43-8	C <sub>18</sub> H <sub>18</sub> O <sub>2</sub>	266.33	98%(HPLC)	SP	R	21042-36	10 mg
							21042-94	30 mg
Paeoniflorin	23180-57-6	C <sub>23</sub> H <sub>28</sub> O <sub>11</sub>	480.46	98%(HPLC)	SP	R	25941-36	10 mg
							25941-94	30 mg
Paeonol	552-41-0	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>	166.17	98%(HPLC)	SP	R	25942-26	10 mg
							25942-84	30 mg
Saikosaponin a	20736-09-8	C <sub>42</sub> H <sub>68</sub> O <sub>13</sub>	780.98	98%(HPLC)	SP	R	30442-16	10 mg
Saikosaponin c	20736-08-7	C <sub>48</sub> H <sub>78</sub> O <sub>17</sub>	927.12	98%(HPLC)	SP	R	30443-64	10 mg
Sennoside A	81-27-6	C <sub>42</sub> H <sub>38</sub> O <sub>20</sub>	862.74	98%(HPLC)	SP	R	30648-36	10 mg
Swertiamarin	17388-39-5	C <sub>16</sub> H <sub>22</sub> O <sub>10</sub>	374.34	98%(HPLC)	SP	R	32642-36	10 mg
							32642-94	30 mg

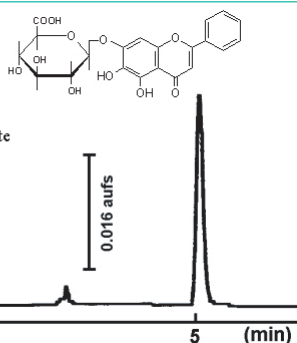
These products are available in bulk order.

For research use only, not intended for diagnostic or drug use.

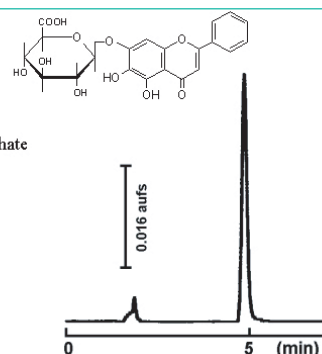
For more information on products and price, please consult your local distributor.

### COSMOSIL Chromatogram

Sample: Baicalin  
CAS No.: [21967-41-9]  
Molecular formula: C<sub>21</sub>H<sub>18</sub>O<sub>11</sub>  
Column: 5C18-AR-II  
Column size: 4.6mm I.D. -150mm  
Mobile phase: methanol/20mM phosphate buffer (pH 2.5)=50/50  
Flow rate: 1.0 ml/min  
Temperature: 30°C  
Detection: UV 254nm  
Attenuation: 0.16 aufs  
Sample conc.: 0.50 mg/ml  
Injection volume: 0.5 µl  
Retention time: 5.14 min  
Capacity factor: 2.23

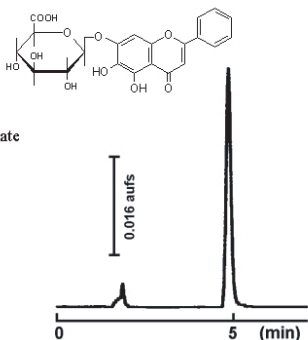


Sample: Baicalin  
CAS No.: [21967-41-9]  
Molecular formula: C<sub>21</sub>H<sub>18</sub>O<sub>11</sub>  
Column: 5C18-MS-II  
Column size: 4.6mm I.D. -150mm  
Mobile phase: methanol/20mM phosphate buffer (pH 2.5)=50/50  
Flow rate: 1.0 ml/min  
Temperature: 30°C  
Detection: UV 254nm  
Attenuation: 0.16 aufs  
Sample conc.: 0.50 mg/ml  
Injection volume: 0.5 µl  
Retention time: 4.85 min  
Capacity factor: 2.09

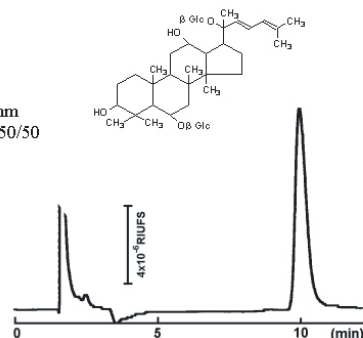


## COSMOSIL Chromatogram

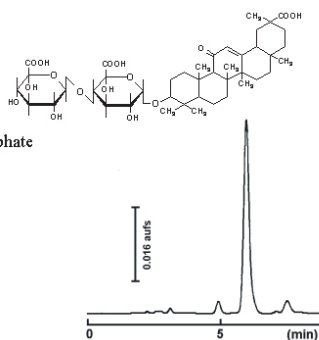
**Sample:** Baicalin  
**CAS No.:** [21967-41-9]  
**Molecular formula:** C<sub>21</sub>H<sub>18</sub>O<sub>11</sub>  
**Column:** 5C18-MS-II  
**Column size:** 4.6mm I.D.-150mm  
**Mobile phase:** methanol/20mM phosphate buffer (pH 2.5)=50/50  
**Flow rate:** 1.0 ml/min  
**Temperature:** 30°C  
**Detection:** UV 254nm  
**Attenuation:** 0.16 aufs  
**Sample conc.:** 0.50 mg/ml  
**Injection volume:** 0.5 µl  
**Retention time:** 4.85 min  
**Capacity factor:** 2.09



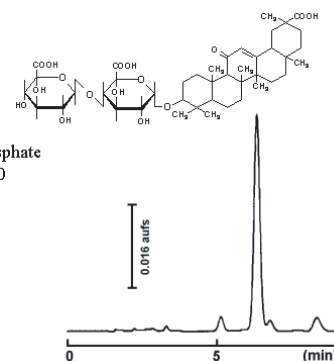
**Sample:** Ginsenoside Rg1  
**CAS No.:** [22427-39-0]  
**Molecular formula:** C<sub>42</sub>H<sub>72</sub>O<sub>14</sub>  
**Column:** 5C18-MS-II  
**Column size:** 4.6mm I.D.-150mm  
**Mobile phase:** methanol/water=50/50  
**Flow rate:** 1.0 ml/min  
**Temperature:** 30°C  
**Detection:** RI  
**Attenuation:** 4x10<sup>-5</sup> RIU/FS  
**Sample conc.:** 10.0 mg/ml  
**Injection volume:** 4.0 µl  
**Retention time:** 10.04 min  
**Capacity factor:** 4.95



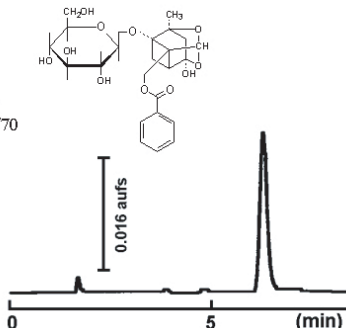
**Sample:** Glycyrrhizin  
**CAS No.:** [1405-86-3]  
**Molecular formula:** C<sub>42</sub>H<sub>62</sub>O<sub>16</sub>  
**Column:** 5C18-AR-II  
**Column size:** 4.6mm I.D.-150mm  
**Mobile phase:** methanol/20mM phosphate buffer (pH 2.5)=70/30  
**Flow rate:** 1.0 ml/min  
**Temperature:** 30°C  
**Detection:** UV 220nm  
**Attenuation:** 0.16 aufs  
**Sample conc.:** 0.84 mg/ml  
**Injection volume:** 1.5 µl  
**Retention time:** 6.01 min  
**Capacity factor:** 2.66



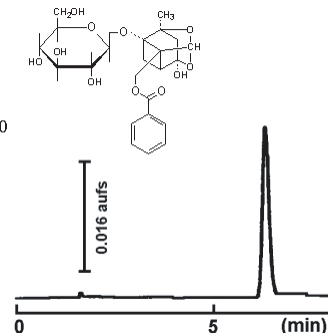
**Sample:** Glycyrrhizin  
**CAS No.:** [1405-86-3]  
**Molecular formula:** C<sub>42</sub>H<sub>62</sub>O<sub>16</sub>  
**Column:** 5C18-MS-II  
**Column size:** 4.6mm I.D.-150mm  
**Mobile phase:** methanol/20mM phosphate buffer (pH 2.5)=70/30  
**Flow rate:** 1.0 ml/min  
**Temperature:** 30°C  
**Detection:** UV 220nm  
**Attenuation:** 0.16 aufs  
**Sample conc.:** 0.84 mg/ml  
**Injection volume:** 1.5 µl  
**Retention time:** 6.37 min  
**Capacity factor:** 2.84



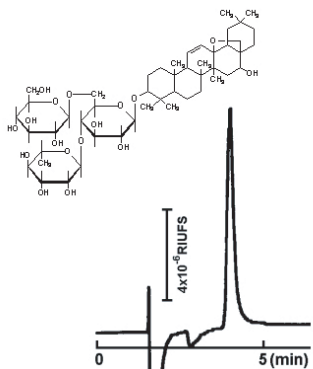
**Sample:** Paeoniflorin  
**CAS No.:** [23180-57-6]  
**Molecular formula:** C<sub>23</sub>H<sub>28</sub>O<sub>11</sub>  
**Column:** 5C18-AR-II  
**Column size:** 4.6mm I.D.-150mm  
**Mobile phase:** methanol/water=30/70  
**Flow rate:** 1.0 ml/min  
**Temperature:** 30°C  
**Detection:** UV 254nm  
**Attenuation:** 0.16 aufs  
**Sample conc.:** 2.00 mg/ml  
**Injection volume:** 1.5 µl  
**Retention time:** 6.29 min  
**Capacity factor:** 2.74



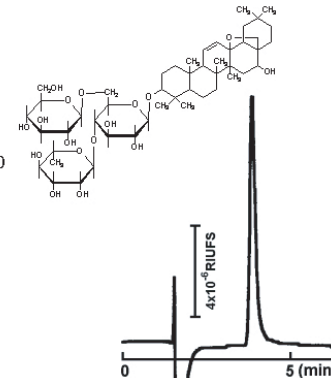
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**CAS No.:** [23180-57-6]  
**Molecular formula:** C<sub>23</sub>H<sub>28</sub>O<sub>11</sub>  
**Column:** 5C18-MS-II  
**Column size:** 4.6mm I.D.-150mm  
**Mobile phase:** methanol/water=30/70  
**Flow rate:** 1.0 ml/min  
**Temperature:** 30°C  
**Detection:** UV 254nm  
**Attenuation:** 0.16 aufs  
**Sample conc.:** 2.00 mg/ml  
**Injection volume:** 1.5 µl  
**Retention time:** 6.38 min  
**Capacity factor:** 2.85



**Sample:** Saikosaponin c  
**CAS No.:** [20736-08-7]  
**Molecular formula:** C<sub>48</sub>H<sub>78</sub>O<sub>17</sub>  
**Column:** 5C18-AR-II  
**Column size:** 4.6mm I.D.-150mm  
**Mobile phase:** methanol/water=70/30  
**Flow rate:** 1.0 ml/min  
**Temperature:** 30°C  
**Detection:** RI  
**Attenuation:** 4x10<sup>-5</sup> RIU/FS  
**Sample conc.:** 10.0 mg/ml  
**Injection volume:** 1.5 µl  
**Retention time:** 4.04 min  
**Capacity factor:** 1.40



**Sample:** Saikosaponin c  
**CAS No.:** [20736-08-7]  
**Molecular formula:** C<sub>48</sub>H<sub>78</sub>O<sub>17</sub>  
**Column:** 5C18-MS-II  
**Column size:** 4.6mm I.D.-150mm  
**Mobile phase:** methanol/water=70/30  
**Flow rate:** 1.0 ml/min  
**Temperature:** 30°C  
**Detection:** RI  
**Attenuation:** 4x10<sup>-5</sup> RIU/FS  
**Sample conc.:** 10.0 mg/ml  
**Injection volume:** 1.5 µl  
**Retention time:** 3.91 min  
**Capacity factor:** 1.35



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