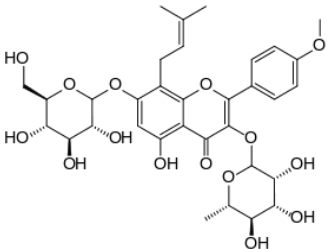
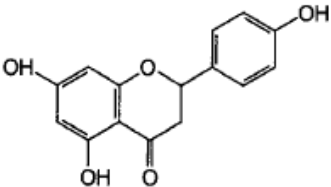
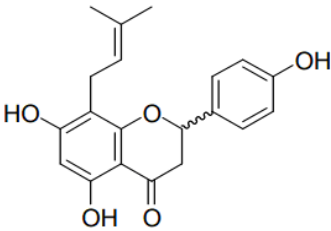
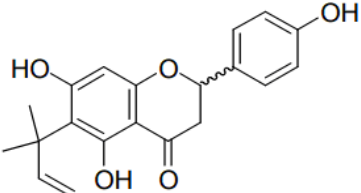
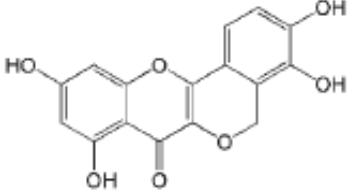
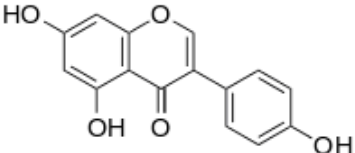
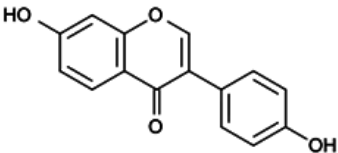
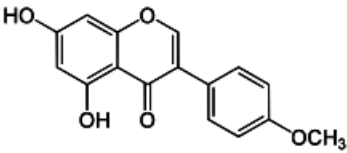
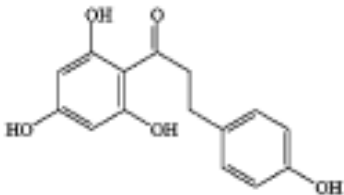
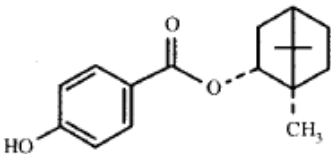
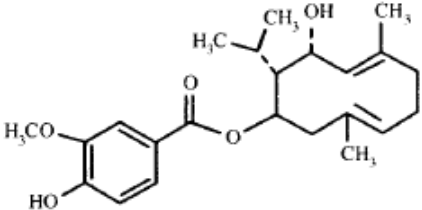
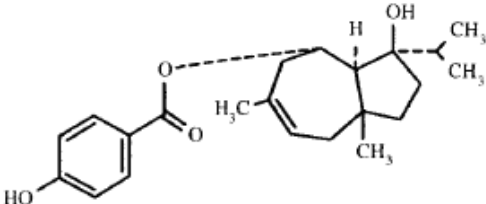
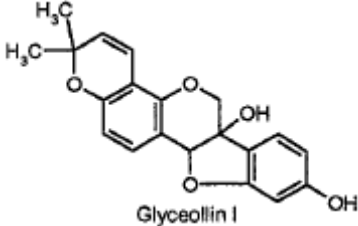
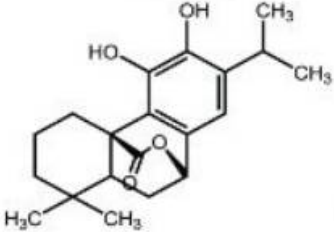
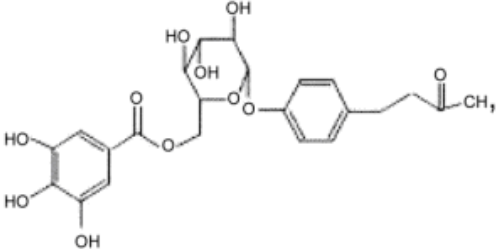
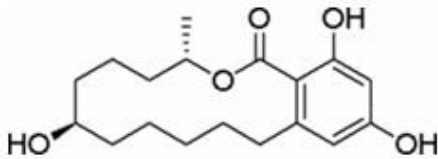
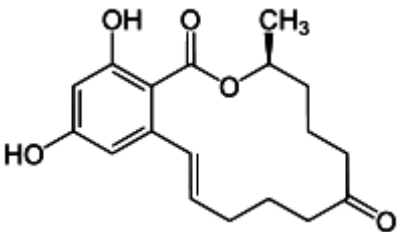
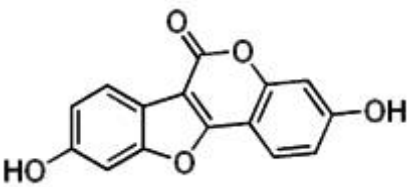
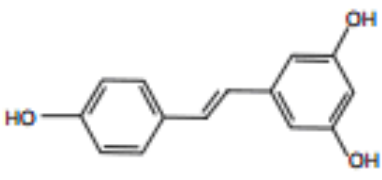
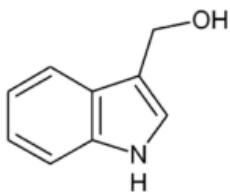
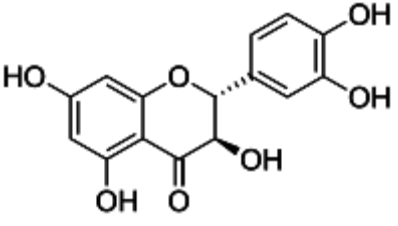
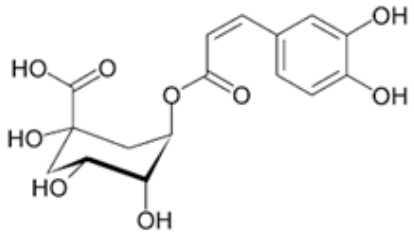
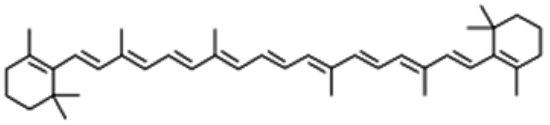
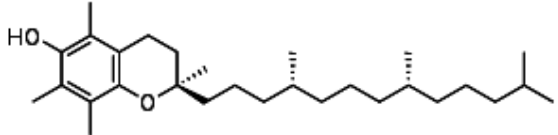
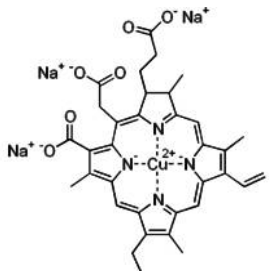
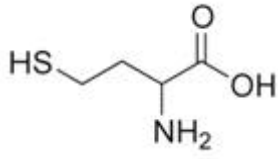
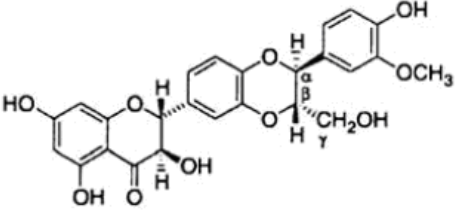
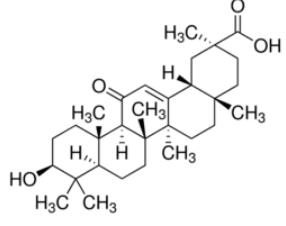
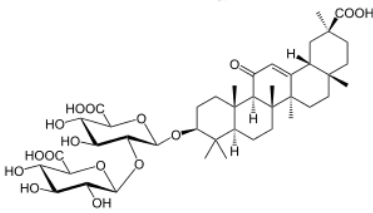
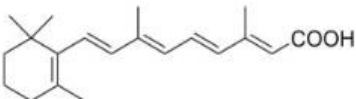
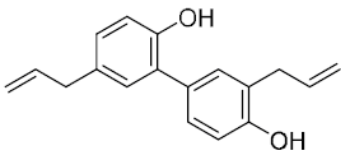
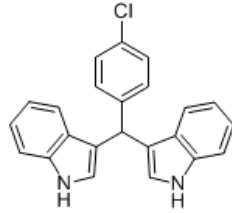
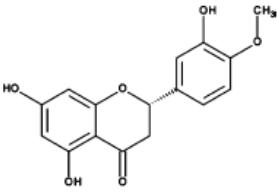
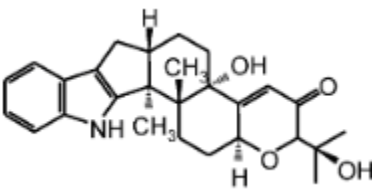
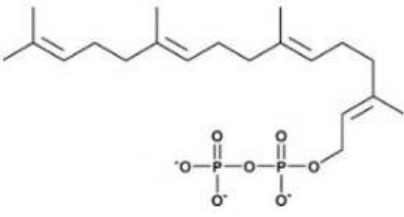
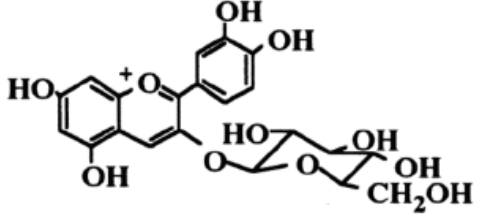
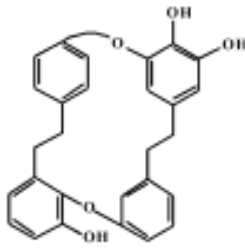
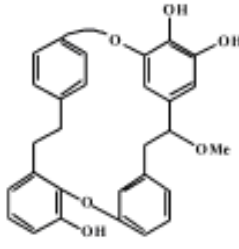


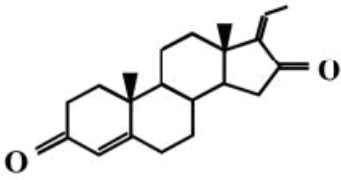
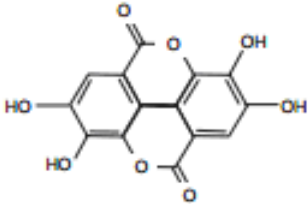
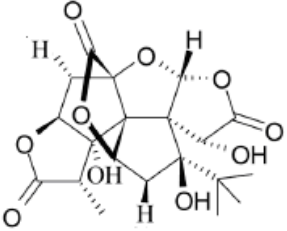
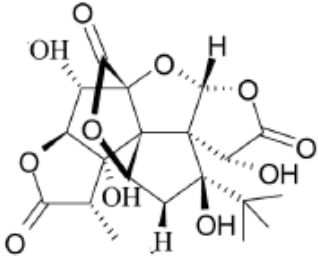
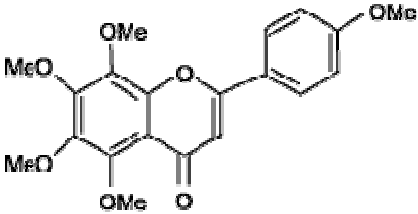
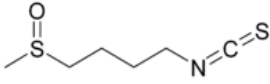
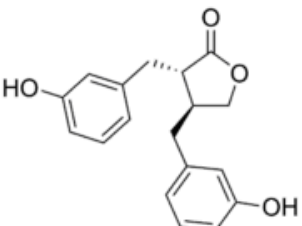
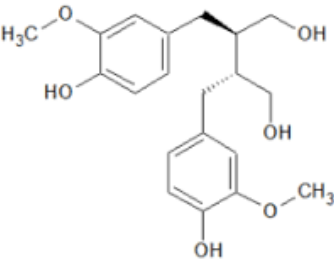
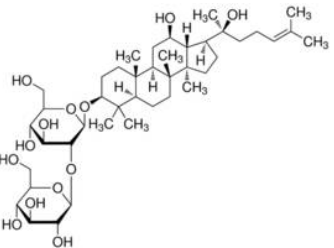
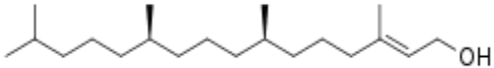
## Chemical structures of phytochemicals acting on NRs.

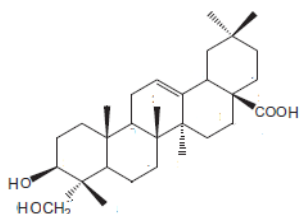
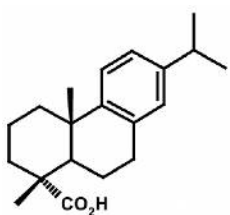
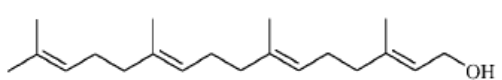
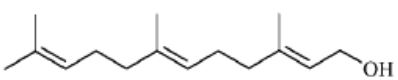
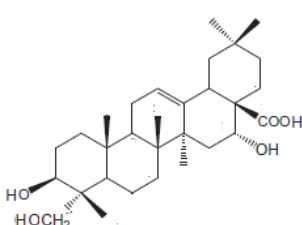
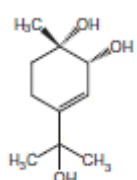
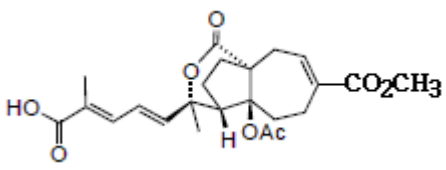
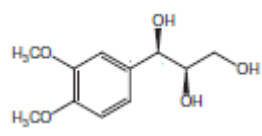
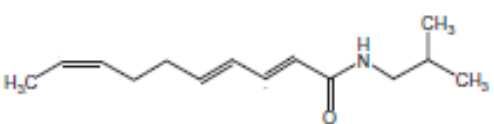
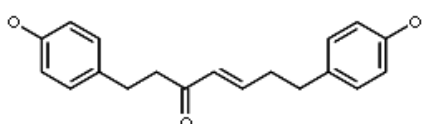
<p>1 Icariin</p>  <p>The structure of Icariin is a complex flavonoid glycoside. It features a central flavone core with a 6-O-methylchalcone moiety at the 7-position and a 6-O-(3,4,5-trihydroxyphenylethyl) moiety at the 8-position. The 3-position of the flavone core is substituted with a 3,4,5-trihydroxyphenylethyl group, which is further substituted with a 3,4,5-trihydroxyphenylethyl group.</p>	<p>2 Naringenin</p>  <p>The structure of Naringenin is a flavone with a 7-hydroxyflavone core. It has a 4-hydroxyphenylethyl group attached to the 8-position of the flavone core.</p>
<p>3 8-Prenyl-naringenin (8-PN)</p>  <p>The structure of 8-Prenyl-naringenin (8-PN) is a flavone with a 7-hydroxyflavone core. It has a prenyl group (3,3-dimethylallyl) attached to the 8-position of the flavone core and a 4-hydroxyphenylethyl group attached to the 6-position.</p>	<p>4 6-(1,1-Dimethylallyl)naringenin (6-DMAN)</p>  <p>The structure of 6-(1,1-Dimethylallyl)naringenin (6-DMAN) is a flavone with a 7-hydroxyflavone core. It has a 1,1-dimethylallyl group attached to the 6-position of the flavone core and a 4-hydroxyphenylethyl group attached to the 8-position.</p>
<p>5 Peltogynoid ophioglonin</p>  <p>The structure of Peltogynoid ophioglonin is a complex flavonoid glycoside. It features a central flavone core with a 7-hydroxyflavone core. It has a 4-hydroxyphenylethyl group attached to the 8-position of the flavone core and a 4-hydroxyphenylethyl group attached to the 6-position.</p>	<p>6 Genistein</p>  <p>The structure of Genistein is a flavone with a 7-hydroxyflavone core. It has a 4-hydroxyphenylethyl group attached to the 8-position of the flavone core and a 4-hydroxyphenylethyl group attached to the 6-position.</p>
<p>7 Daidzein</p>  <p>The structure of Daidzein is a flavone with a 7-hydroxyflavone core. It has a 4-hydroxyphenylethyl group attached to the 8-position of the flavone core and a 4-hydroxyphenylethyl group attached to the 6-position.</p>	<p>8 Biochanin A</p>  <p>The structure of Biochanin A is a flavone with a 7-hydroxyflavone core. It has a 4-hydroxyphenylethyl group attached to the 8-position of the flavone core and a 4-methoxyphenylethyl group attached to the 6-position.</p>

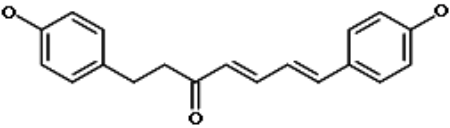
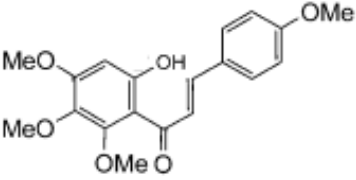
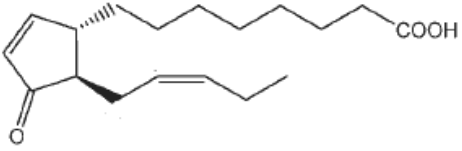
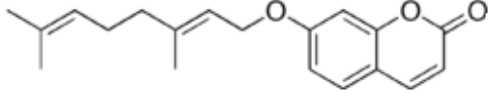
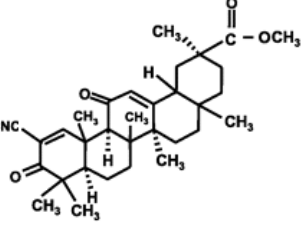
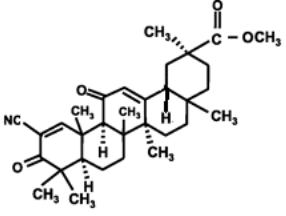
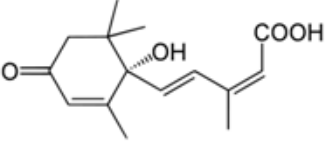
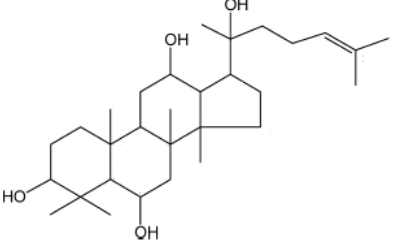
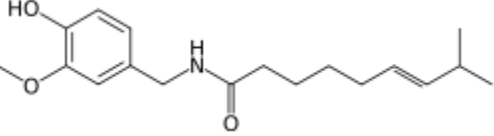
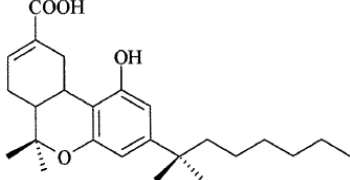
<p>9 Phloretin</p> 	<p>10 Tschimgine</p> 
<p>11 Tschimganidine</p> 	<p>12 Ferutinine</p> 
<p>13 Glyceollins</p>  <p>Glyceollin I</p>	<p>14 Carnosol</p> 
<p>15 Lindleyin</p> 	<p>16 <math>\alpha</math>-Zearalanol</p> 
<p>17 Zearalenone</p> 	<p>18 Coumestrol</p> 

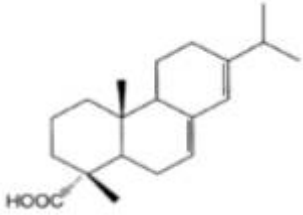
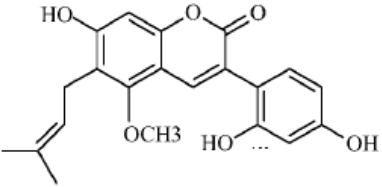
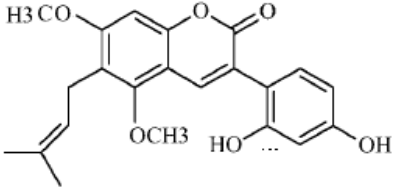
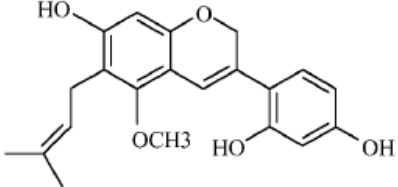
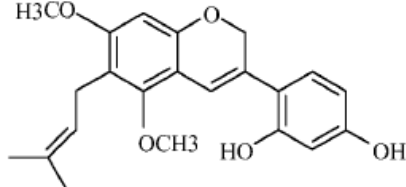
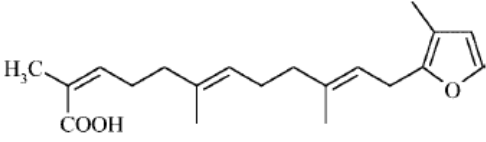
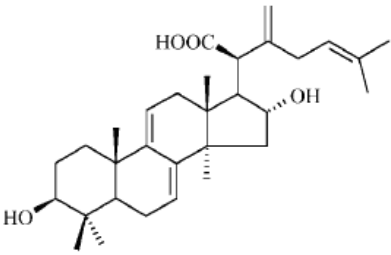
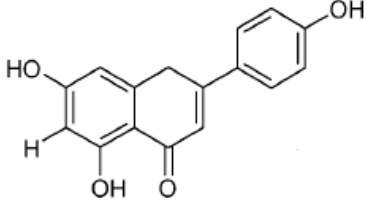
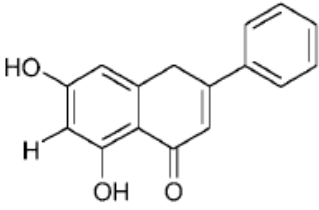
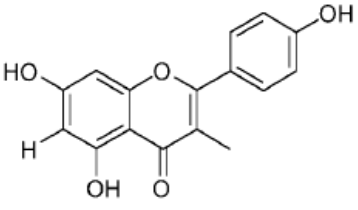
<p>19 Resveratrol</p> 	<p>20 Indole-3-carbinol</p> 
<p>21 Taxifolin</p> 	<p>22 Chlorogenic acid</p> 
<p>23 <math>\beta</math>-Carotene</p> 	<p>24 <math>\alpha</math>-Tocopherol</p> 
<p>25 Chlorophyllin</p> 	<p>26 Homocysteine</p> 
<p>27 Isosilybin B</p> 	<p>28 18<math>\beta</math>-Glycyrrhetic acid (GE)</p> 

<p>29 Glycyrrhizic acid (GI)</p> 	<p>30 All trans retinoic acid (ATRA)</p> 
<p>31 Honokiol</p> 	<p>32 C-DIM12</p> 
<p>33 Hesperetin</p> 	<p>34 Paxillin</p> 
<p>35 Geranylgeranyl pyrophosphate</p> 	<p>36 Cyanidin-3-O-beta-glucoside (C3G)</p> 
<p>37 Marchantin A</p> 	<p>38 Marchantin E</p> 

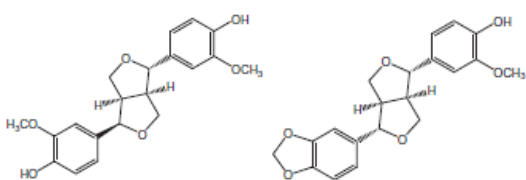
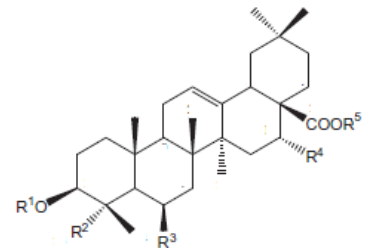
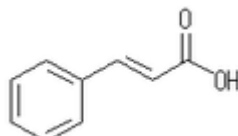
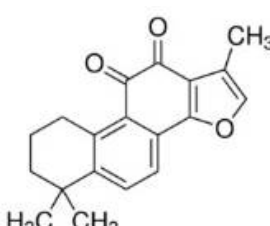
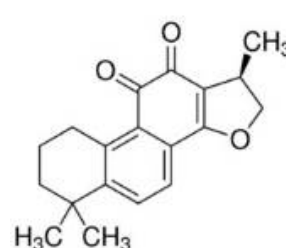
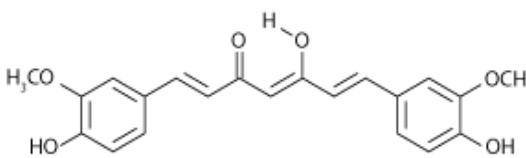
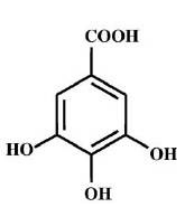
<p>39 Guggulsterone</p> 	<p>40 Ellagic acid</p> 
<p>41 Ginkgolide A</p> 	<p>42 Ginkgolide B</p> 
<p>43 Tangeretin</p> 	<p>44 Sulforaphane</p> 
<p>45 Enterolactone</p> 	<p>46 Secoisolariciresinol</p> 
<p>47 20(S)-Ginsenoside Rg3</p> 	<p>48 Phytol</p> 

<p>49 Hederagenin (<i>Kalopanax pictus</i> triterpenoid 5)</p> 	<p>50 Dehydroabietic acid</p> 
<p>51 Farnesol</p> 	<p>52 Geranylgeraniol</p> 
<p>53 Caulophyllogenin (<i>K. pictus</i> triterpenoid 4)</p> 	<p>54 4-(2-Hydroxypropan-2-yl)-1-methylcyclohex-3-ene-1,2-diol (<i>Asarum sieboldii</i> phytochemical 7)</p> 
<p>55 Pseudolaric acid B</p> 	<p>56 Veratryl glycerol (<i>A. sieboldii</i> phytochemical 10)</p> 
<p>57 N-(2-methylpropyl)deca-2,4,8-trienamide (<i>A. sieboldii</i> phytochemical 11)</p> 	<p>58 1,7-Bis(4-hydroxyphenyl)hept-4-en-3-one (<i>Renealmia thyrsoides</i> phytochemical 17)</p> 

<p>59 1,7-Bis(4-hydroxyphenyl)hept-4,6-dien-3-one (<i>R. thyrsoides</i> phytochemical 18)</p> 	<p>60 Odoratin (<i>Chromolaena odorata</i> phytochemical 6)</p> 
<p>61 (9S,13R)-12-oxo-phytodienoic acid (<i>C. odorata</i> phytochemical 1)</p> 	<p>62 Auraptene (7-geranyloxycoumarin)</p> 
<p>63 Methyl 2-cyano-3,11-dioxo-18<math>\beta</math>-olean-1,12-dien-30-oate (<math>\beta</math>-CDODA-Me)</p> 	<p>64 Methyl 2-cyano-3,11-dioxo-18<math>\alpha</math>-olean-1,12-dien-30-oate (<math>\alpha</math>-CDODA-Me)</p> 
<p>65 Abscisic acid</p> 	<p>66 Ginsenoside 20S-protopanaxatriol</p> 
<p>67 Capsaicin</p> 	<p>68 Ajulemic acid (synthetic derivative of tetrahydrocannabinol (THC) metabolite, THC-11-oic acid)</p> 

<p>69 Abietic acid</p> 	<p>70 Glycycomarin</p> 
<p>71 Glycyrin</p> 	<p>72 Dehydroglyasperin C</p> 
<p>73 Dehydroglyasperin D</p> 	<p>74 Saurufuran A</p> 
<p>75 Dehydrotrametenolic acid</p> 	<p>76 Apigenin</p> 
<p>77 Chrysin</p> 	<p>78 Kaempferol</p> 



<p>79 <i>A. sieboldii</i> phytochemicals 1–3 &amp; 6</p> 	<p>80 <i>K. pictus</i> triterpenoids 2, 6 &amp; 9</p> 
<p>81 Cinnamic acid</p> 	<p>82 Tanshinone IIA</p> 
<p>83 Cryptotanshinone</p> 	<p>84 Curcumin</p> 
<p>85 Gallic acid</p> 	<p>86 Proanthocyanidins</p> 