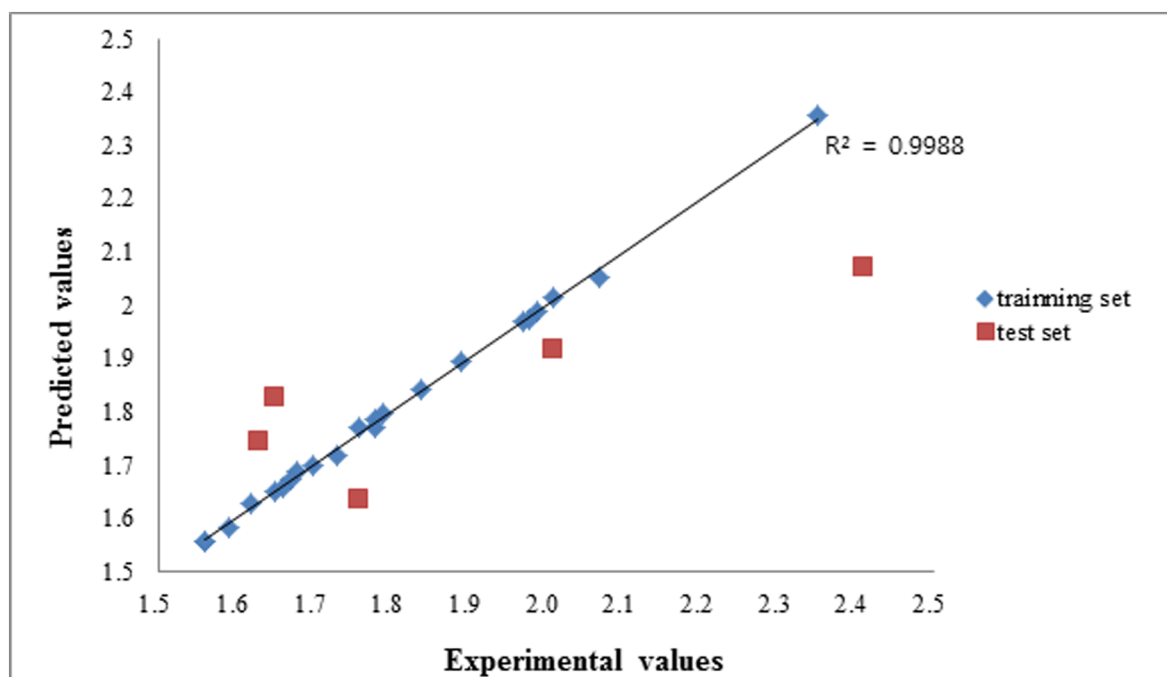
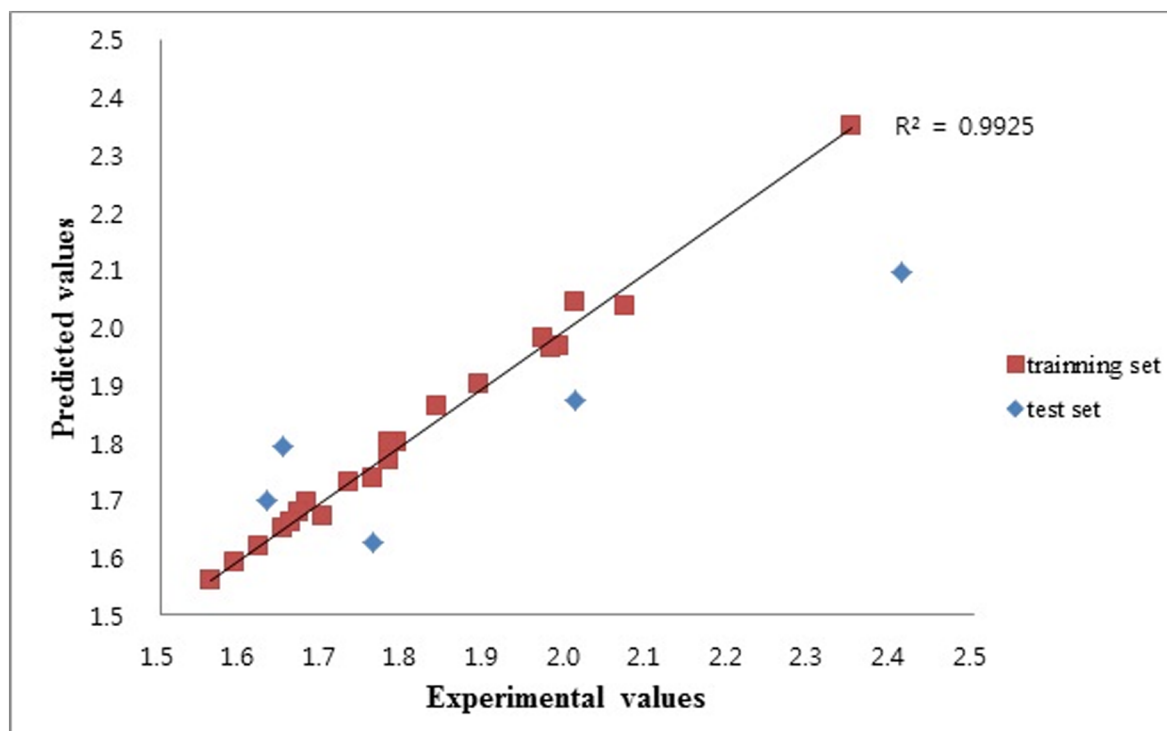


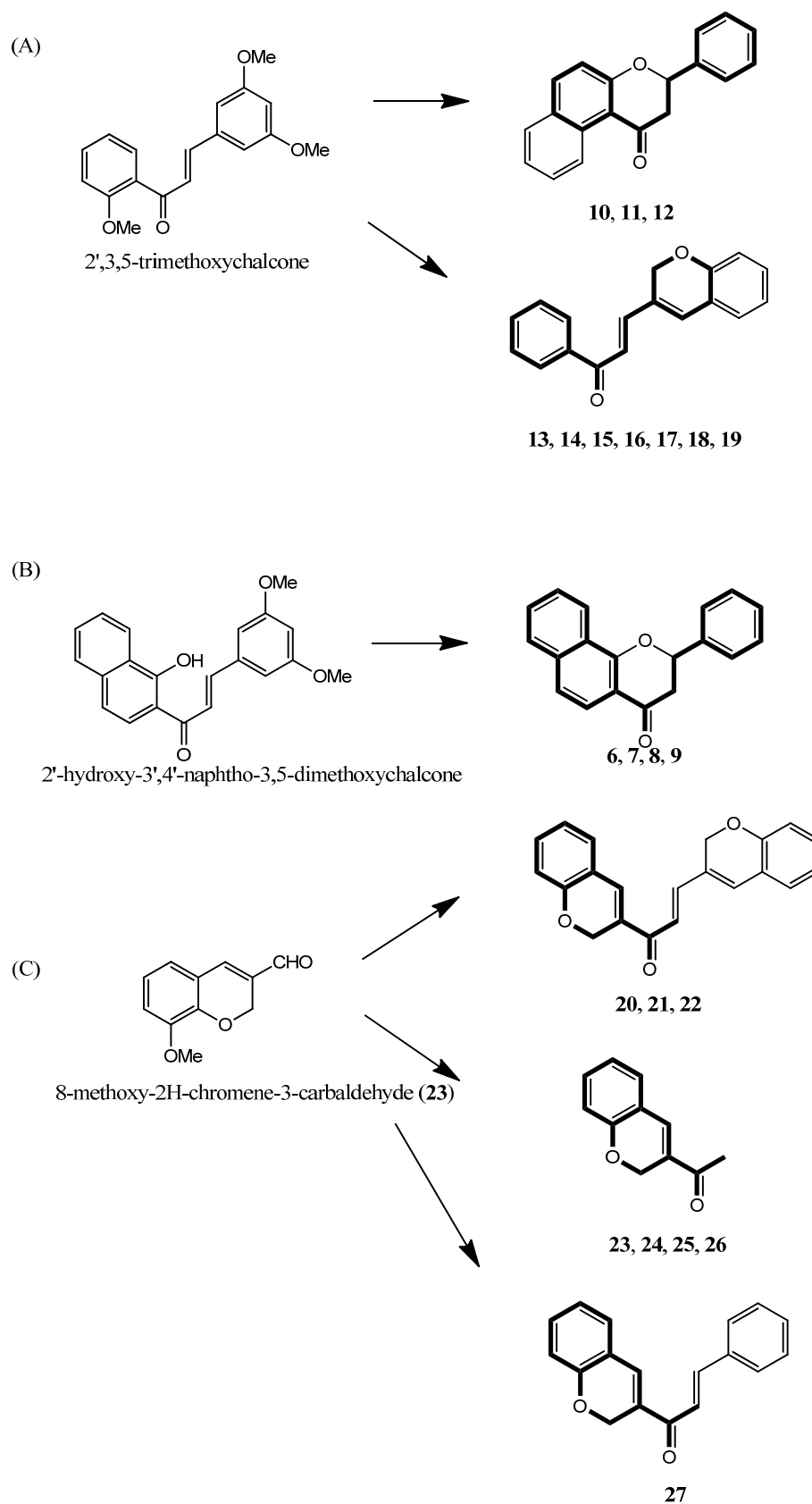
## Supplementary Information

**Table S1.** Experimental and predicted values with residual values for the training set and test set. Asterisk (\*) denotes the test set.

	Experimental data	CoMFA		CoMSIA	
		Predicted	Residual/%	Predicted	Residual/%
<b>1</b>	1.73	1.718	0.67	1.730	0.00
<b>2</b>	1.68	1.687	-0.41	1.697	-1.02
<b>3</b>	1.67	1.675	-0.29	1.679	-0.53
<b>4</b>	1.70	1.701	-0.03	1.670	1.74
<b>5 *</b>	1.65	1.828	-10.80	1.792	-8.62
<b>6</b>	1.59	1.585	0.30	1.591	-0.04
<b>7</b>	1.62	1.627	-0.41	1.621	-0.08
<b>8</b>	1.56	1.558	0.13	1.559	0.06
<b>9</b>	1.56	1.558	0.11	1.560	0.00
<b>10 *</b>	1.76	1.634	7.14	1.626	7.59
<b>11</b>	1.65	1.649	0.05	1.652	-0.14
<b>12</b>	1.66	1.659	0.07	1.660	-0.02
<b>13</b>	1.97	1.971	-0.06	1.980	-0.48
<b>14</b>	2.07	2.054	0.78	2.037	1.58
<b>15</b>	1.84	1.844	-0.22	1.862	-1.19
<b>16 *</b>	2.41	2.070	14.09	2.094	13.10
<b>17</b>	1.79	1.797	-0.41	1.800	-0.53
<b>18</b>	1.99	1.987	0.16	1.967	1.16
<b>19</b>	1.89	1.893	-0.15	1.902	-0.62
<b>20</b>	2.01	2.014	-0.21	2.042	-1.60
<b>21</b>	1.98	1.973	0.35	1.962	0.89
<b>22 *</b>	2.01	1.917	4.61	1.873	6.82
<b>23 *</b>	1.63	1.745	-7.04	1.701	-4.35
<b>24</b>	1.78	1.785	-0.28	1.800	-1.10
<b>25</b>	1.76	1.769	-0.51	1.738	1.22
<b>26</b>	1.78	1.769	0.63	1.770	0.57
<b>27</b>	2.35	2.357	-0.29	2.351	-0.03

**Figure S1.** Plot of the experimental data versus the predicted values obtained from CoMFA model.**Figure S2.** Plot of the experimental data versus the predicted values obtained from CoMSIA model.

**Figure S3.** The scaffolds used to obtain the 3D structures of polyphenols 6–27, where the structures were constructed based on the X-ray crystallographic structures.



**Figure S4.** Alignment of training set and test set compounds on polyphenol **9**.

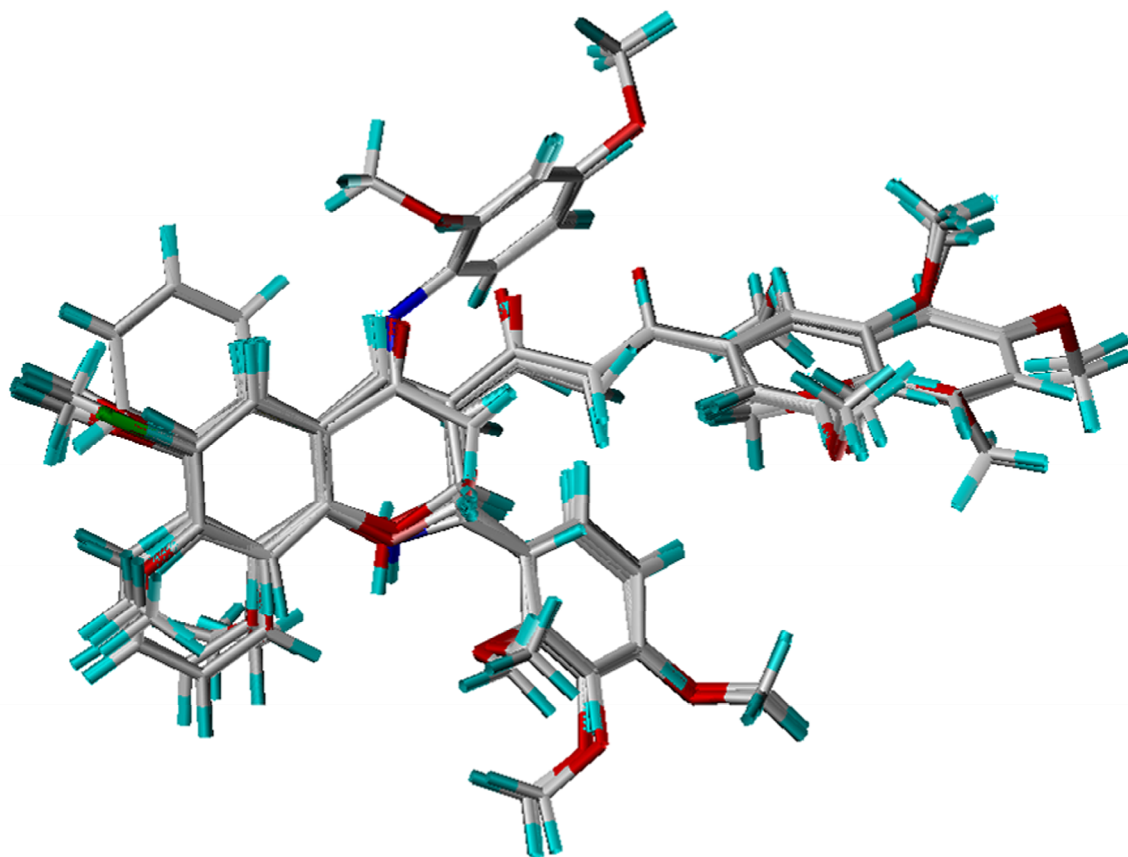
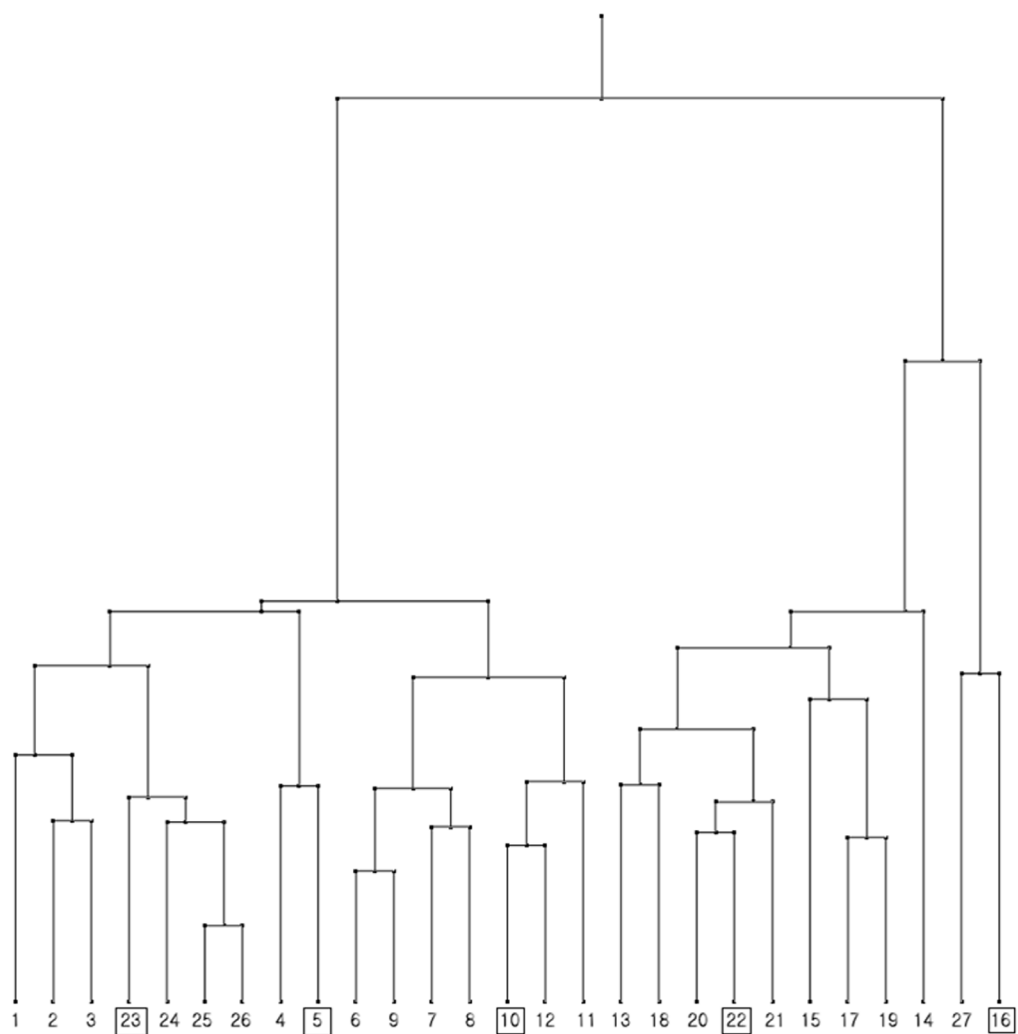
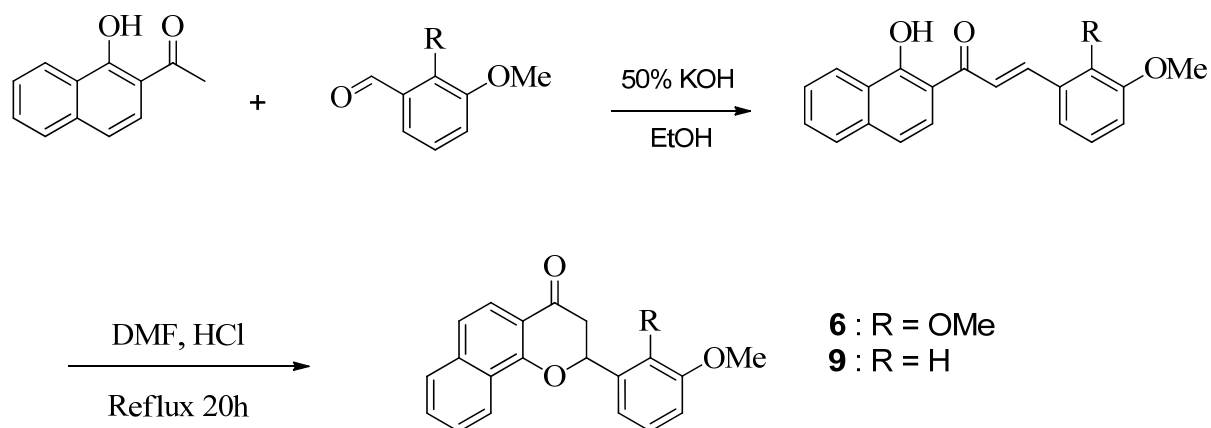


Figure S5. Hirachiral cluster analysis.



**Scheme S1.** The procedure for the preparation of polyphenols **6** and **9**.

© 2013 by the authors; licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution license (<http://creativecommons.org/licenses/by/3.0/>).