

**Table 1.** CYP3A4 inhibition by black cohosh triterpenes

	Compound	% inhibition (10 $\mu$ M)	IC <sub>50</sub> ( $\mu$ M)
1	23- <i>epi</i> -26-deoxyactein	N/A <sup>a</sup>	
2	23- <i>O</i> -acetylshengmanol-3- $\alpha$ -L-arabinopyranoside (23R)	81.6 $\pm$ 0.9 <sup>b</sup>	2.3 $\pm$ 0.2
3	25-anhydrocimigenol-3- <i>O</i> - $\beta$ -xylopyranoside	N/A	
4	26-deoxyactein	N/A	
5	Cimiracemoside P	N/A	
6	Cimiracemoside J	N/A	
7	Cimiracemoside K	85.2 $\pm$ 0.3	3.8 $\pm$ 0.5
8	25- <i>O</i> -acetylcimigenol-3- <i>O</i> - $\beta$ -xylopyranoside	N/A	
9	25- <i>O</i> -acetylcimigenol-3- <i>O</i> - $\alpha$ -arabinopyranoside	N/A	
10	25-anhydrocimigenol-3- <i>O</i> - $\beta$ -arabinopyranoside	N/A	
11	Actein (R,S)	N/A	
12	23- <i>O</i> -acetylshengmanol-3- $\beta$ -D-xylopyranoside	80.7 $\pm$ 0.6	2.7 $\pm$ 0.2
13	Cimiracemoside N	N/A	
14	2'- <i>O</i> -acetyl-Actein	N/A	
15	Cimiracemoside O	74.8 $\pm$ 0.1	5.1 $\pm$ 0.4
16	Cimiracemoside L	94.2 $\pm$ 0.3	2.4 $\pm$ 0.2
17	Cimicifugoside H-1	N/A	
18	Cimicifugoside M	65.8 $\pm$ 0.5	4.3 $\pm$ 0.3
19	1- $\alpha$ -hydroxycimigenol-3- <i>O</i> - $\alpha$ -L-arabinopyranoside	N/A	
20	7- $\beta$ -hydroxycimigenol aglycone	64.9 $\pm$ 1.1	N/D <sup>c</sup>
21	1- $\alpha$ -hydroxycimigenol-3- <i>O</i> - $\beta$ -D-xylopyranoside	N/A	

22	25- <i>O</i> -acetyl-7- $\beta$ -hydroxycimigenol-3- <i>O</i> - $\beta$ -xylopyranoside	61.8 $\pm$ 0.2	N/D
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<sup>a</sup>N/A, Not active = < 50% inhibition at 10  $\mu$ M

<sup>b</sup> Data represent average of triplicates  $\pm$  S.D

<sup>c</sup>N/D Not determined due to small quantities of available compound