Supporting Information

Antitumor Agents 250. Design and Synthesis of New Curcumin Analogs as Potential Anti-Prostate Cancer Agents

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Elemental analysis data for new compounds

Table S1. The results of elemental analysis

Cmpd	Formula	Theoretical	Found
8	$C_{14}H_{16}O_4 \cdot 1/8H_2O$	C: 67.12; H: 6.54	C66.93; H: 6.48
9	$C_{15}H_{18}O_5$	C: 64.74; H: 6.52	C: 64.56; H: 6.45
10	$C_{15}H_{18}O_5$	C: 64.74; H: 6.52	C: 64.72; H: 6.69
11	$C_{18}H_{22}O_6 \cdot 7/4H_2O$	C: 59.08; H: 7.02	C: 59.06; H: 6.78
12	$C_{17}H_{16}O_6$	C: 64.55; H: 5.10	C: 64.45; H: 5.12
13	$C_{19}H_{18}O_6 \cdot 3/4H_2O$	C: 64.13; H: 5.52	C: 64.03; H: 5.49
14	$C_{18}H_{16}O_4S \cdot 1/2H_2O$	C: 64.08; H: 5.08; S: 9.50	C: 64.15; H: 5.07; S: 9.41
15	$C_{18}H_{17}NO_4 \cdot H_2O$	C: 65.64; H: 5.81; N: 4.25	C: 65.64; H: 5.58; N: 3.97
17	$C_{23}H_{24}O_6 \cdot 1/4H_2O$	C: 68.90; H: 6.16	C: 68.86; H: 6.21
18	$C_{25}H_{28}O_8$	C: 65.78; H: 6.18	C: 65.53; H: 6.17
19	$C_{25}H_{28}O_8$	C: 65.78; H: 6.18	C: 65.44; H: 6.46
20	$C_{36}H_{44}O_{10}$	C, 67.91; H, 6.97.	C, 67.56; H, 7.24.
21	$C_{31}H_{36}O_8 \cdot 1/4H_2O$	C, 68.81; H, 6.80.	C, 68.86; H, 6.83.
23	$C_{31}H_{36}O_6$	C, 73.79; H, 7.19	C, 73.75; H, 7.20
25	$C_{21}H_{20}O_4 \cdot 1/4H_2O$	C: 73.99; H: 6.06	C: 74.01; H: 6.13
26	$C_{23}H_{24}O_4 \cdot 1/8H_2O$	C: 75.34; H: 6.67	C: 75.10; H: 6.59
29	$C_{24}H_{26}O_7 \cdot 1/2H_2O$	C: 66.19; H: 6.25	C: 66.08; H: 6.39
30	$C_{24}H_{26}O_7 \cdot 1/4H_2O$	C: 66.89; H: 6.20.	C: 66.80; H: 6.20
31	$C_{28}H_{30}O_8 \cdot 1/4H_2O$	C: 66.59; H: 6.31	C: 66.49; H: 6.34
35	$C_{25}H_{24}O_6$	C: 71.41; H: 5.75	C: 71.70; H: 5.53

36	$C_{30}H_{32}O_8 \cdot 3/8H_2O$	C: 68.33; H: 6.26.	C: 68.26; H: 6.07.
38	$C_{23}H_{26}O_6$	C: 69.33; H: 6.58	C: 69.20; H: 6.60
39	$C_{22}H_{23}NO_6 \cdot 3/2H_2O$	C: 62.25; H: 6.17; N: 3.30.	C: 62.34; H: 5.98; N: 2.61.
4	$C_{28}H_{30}O_8 \cdot 1/4H_2O$	C, 67.39; H, 6.16.	C, 67.50; H, 6.16.
40	$C_{36}H_{42}O_{10}$	C, 68.12; H, 6.67.	C, 67.82; H, 6.73.
41	$C_{26}H_{26}O_8 \cdot 11/8H_2O$	C, 63.58; H, 5.90.	C, 63.69; H, 6.19.
42	$C_{27}H_{28}O_8 \cdot 1/4H_2O$	C, 66.86; H, 5.92.	C, 66.93; H, 6.27.
43	$C_{28}H_{31}NO_7 \cdot 3/2H_2O$	C, 64.60; H, 6.58.	C, 64.65; H, 6.61.
44	$C_{26}H_{25}NO_6 \cdot 9/4H_2O$	C, 63.99; H, 6.09.	C, 63.92; H, 6.00.
45	$C_{26}H_{28}O_7 \cdot 3/4H_2O$	C, 67.01; H, 6.38.	C, 67.18; H, 6.44.
46	$C_{23}H_{22}O_7$	C: 67.31; H: 5.40	C: 67.80; H: 5.64
47	$C_{36}H_{44}FO_{10}$	C, 66.04; H, 6.62.	C, 66.08; H, 6.98.
48	$C_{26}H_{27}FO_8 \cdot 3/4H_2O$	C, 63.31; H, 5.67.	C, 63.58; H, 5.99.
50	$C_{24}H_{25}FO_6 \cdot 5/2H_2O$	C: 60.88; H: 6.39	C: 60.51; H: 6.15