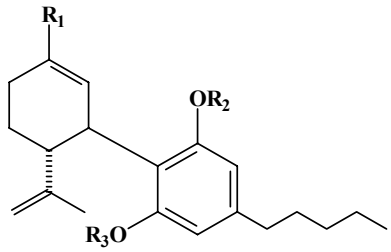
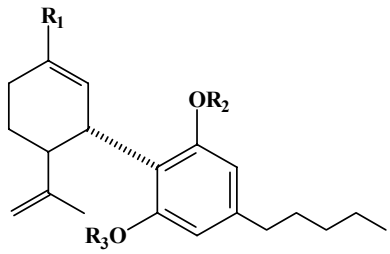
Table S1. Binding of (-)- and (+)-CBD and their derivatives to the central (CB_1) and peripheral (CB_2) cannabinoid receptors.



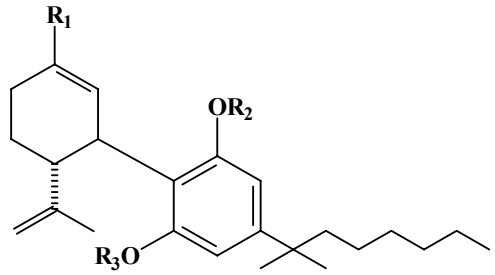
a



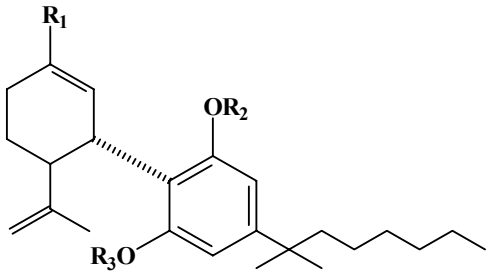
c

compound	R_1	R_2	R_3	CB_1 (K_i , nM)	CB_2 (K_i , nM)
4a	CH_3	H	H	> 10000	> 10000
4c	CH_3	H	H	842 ± 36	203 ± 16
5a	CH_3	CH_3	CH_3	> 10000	> 10000
5c	CH_3	CH_3	CH_3	> 10000	> 10000
12a	CH_2OH	H	H	> 10000	> 10000
12c	CH_2OH	H	H	5.3 ± 0.5	101.0 ± 5.1
18a	COOH	H	H	> 10000	> 10000
18c	COOH	H	H	13.2 ± 0.4	321.8 ± 15.8

Table S2. Binding of (-)- and (+)-CBD-DMH and their derivatives to the central (CB_1) and peripheral (CB_2) cannabinoid receptors.



b



d

compound	R_1	R_2	R_3	K_i (nM)/CB_1	K_i (nM)/CB_2
4b	CH_3	H	H	> 10000	1800
4d	CH_3	H	H	17.4 ± 1.8	211 ± 23
5b	CH_3	CH_3	CH_3	> 10000	> 10000
5d	CH_3	CH_3	CH_3	> 10000	< 10000
12b	CH_2OH	H	H	4400	671 ± 12
12d	CH_2OH	H	H	2.50 ± 0.03	44.0 ± 3.1
18b	COOH	H	H	> 1000	< 10000
18d	COOH	H	H	5.8 ± 0.7	155.5 ± 5.3