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2 **Supplementary Table 1.** ^1H -NMR (400 MHz) and ^{13}C -NMR (100 MHz) data

3 (CD₃OD) of ginsenoside Ia

C	δ_{C}	δ_{H}
1	40.1	-
2	27.3	-
3	90.8	3.13, dd, $J = 3.7, 8.0$ Hz
4	41.1	-
5	62.5	-
6	68.9	4.03, ddd, $J=3.7, 10.6, 10.6$ Hz
7	47.3	-
8	42.1	-
9	50.6	-
10	39.9	-
11	31.4	-
12	71.3	3.28, m
13	49.5	-
14	52.5	-
15	31.1	-
16	27.1	-
17	53.2	-

18	17.9	1.11, 3H, s
19	17.8	1.05, 3H, s
20	85.0	–
21	22.9	1.35, 3H, s
22	36.7	–
23	24.4	–
24	126.0	5.11, t, $J = 5.3$ Hz
25	132.4	–
26	26.0	1.66, 3H, s
27	18.1	1.63, 3H, s
28	31.8	1.37, 3H, s
29	17.0	0.96, 3H, s
30	17.4	0.97, 3H, s
C-1'	107.1	4.31, d, $J = 7.8$ Hz
C-2'	76.4	–
C-3'	78.2	–
C-4'	74.0	–
C-5'	78.1	–
C-6'	62.9	–
C-1"	98.4	4.61, d, $J = 7.8$ Hz
C-2"	75.5	–

C-3"	78.4	–
C-4"	72.0	–
C-5"	77.8	–
C-6"	62.7	–

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