S1 Supporting Information Contents Page

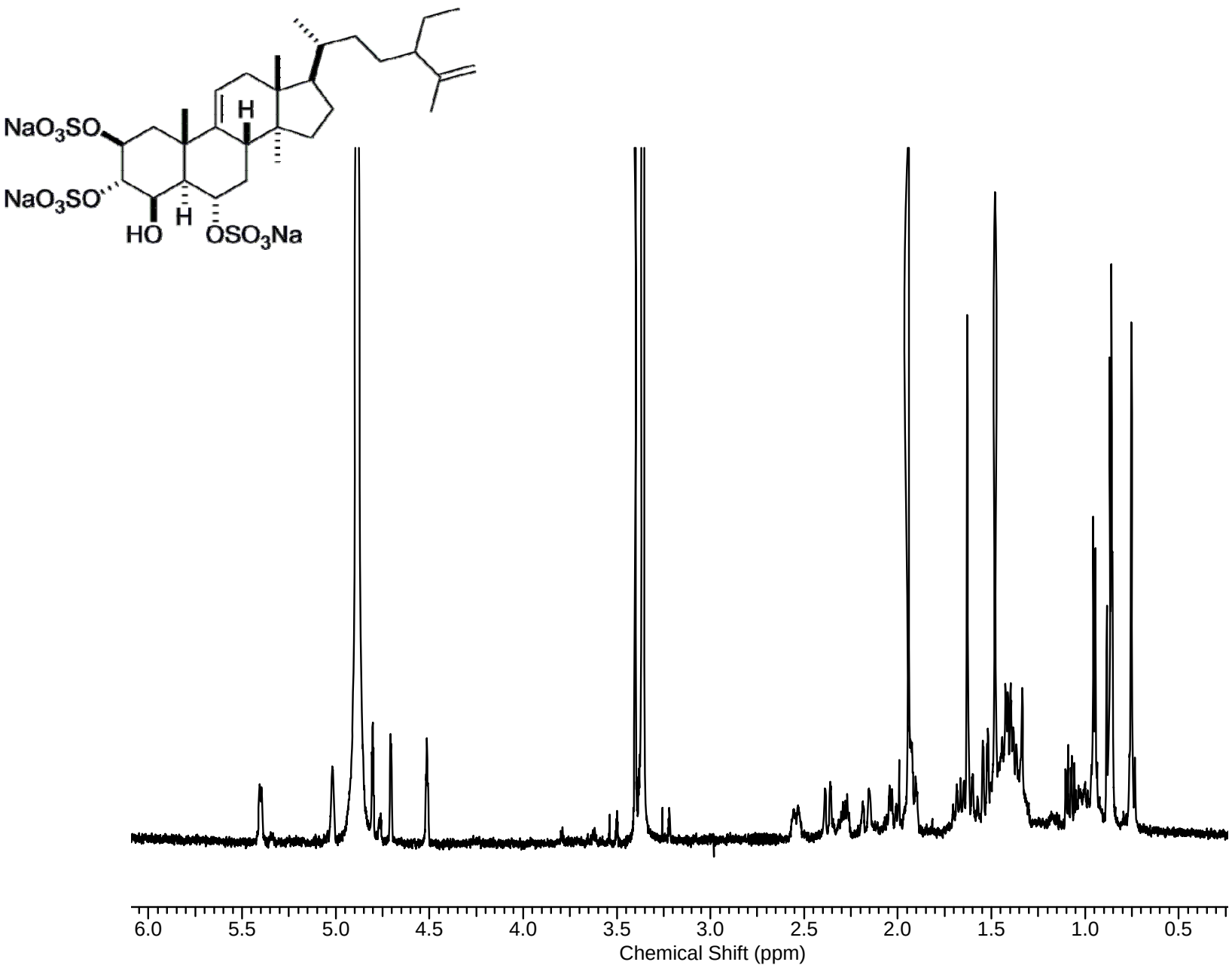
Title: Spheciosterol Sulfates, PKCζ Inhibitors from a Philippine Sponge *Spheciospongia* sp.

Authors: Emily L. Whitson, Tim S. Bugni, Priya S. Chockalingam, Gisela P. Concepcion, Mary Kay Harper, Min He, John N. A. Hooper, Gina C. Mangalindan, Frank Ritacco, Chris M. Ireland

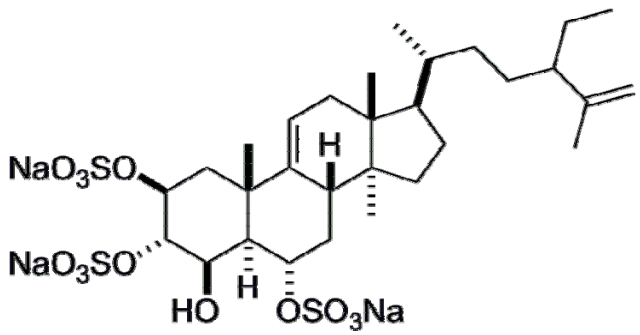
Contents:

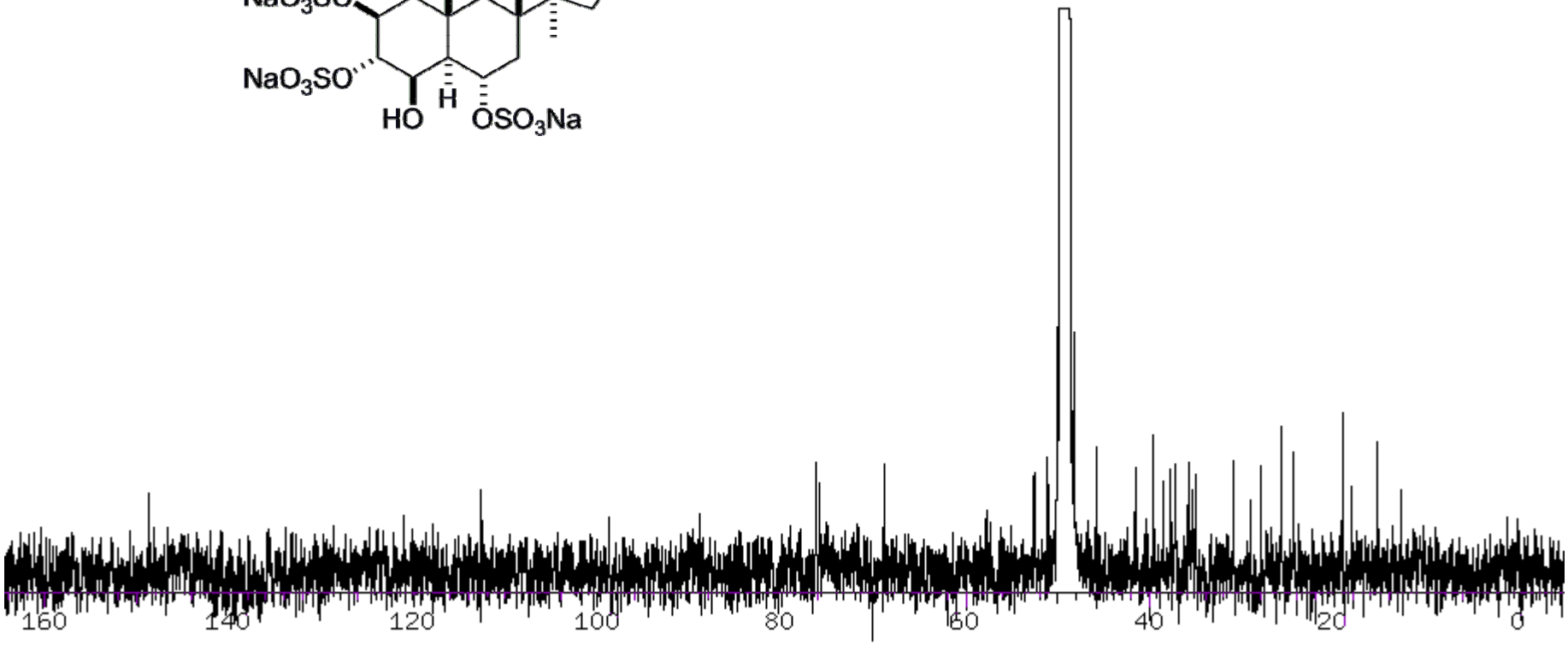
S2 ^{1}H NMR Spectrum of Spheciosterol Sulfate A (**1**) in CD_3OD
S3 ^{13}C NMR Spectrum of Spheciosterol Sulfate A (**1**) in CD_3OD
S4 ^{1}H NMR Spectrum of Spheciosterol Sulfate B (**2**) in CD_3OD
S5 gHSQC NMR Spectrum of Spheciosterol Sulfate B (**2**) in CD_3OD
S6 ^{1}H NMR Spectrum of Spheciosterol Sulfate C (**3**) in CD_3OD
S7 gHSQC NMR Spectrum of Spheciosterol Sulfate C (**3**) in CD_3OD
S8 ^{1}H NMR Spectrum of Topsentiasterol Sulfate E (**4**) in CD_3OD
S9 ^{13}C NMR Spectrum of Topsentiasterol Sulfate E (**4**) in CD_3OD
T1 ^{1}H and ^{13}C data for Topsentiasterol Sulfate E (**4**) in CD_3OD

S2 ^{1}H NMR Spectrum for Spheciosterol Sulfate A (**1**) in CD_3OD

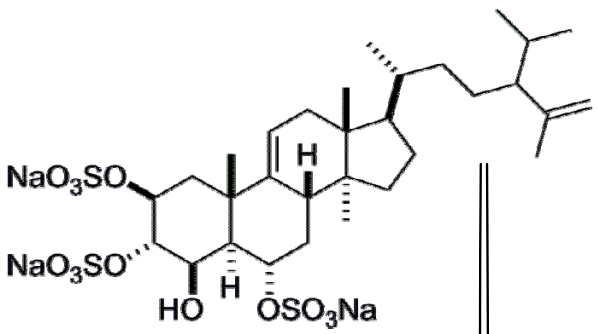


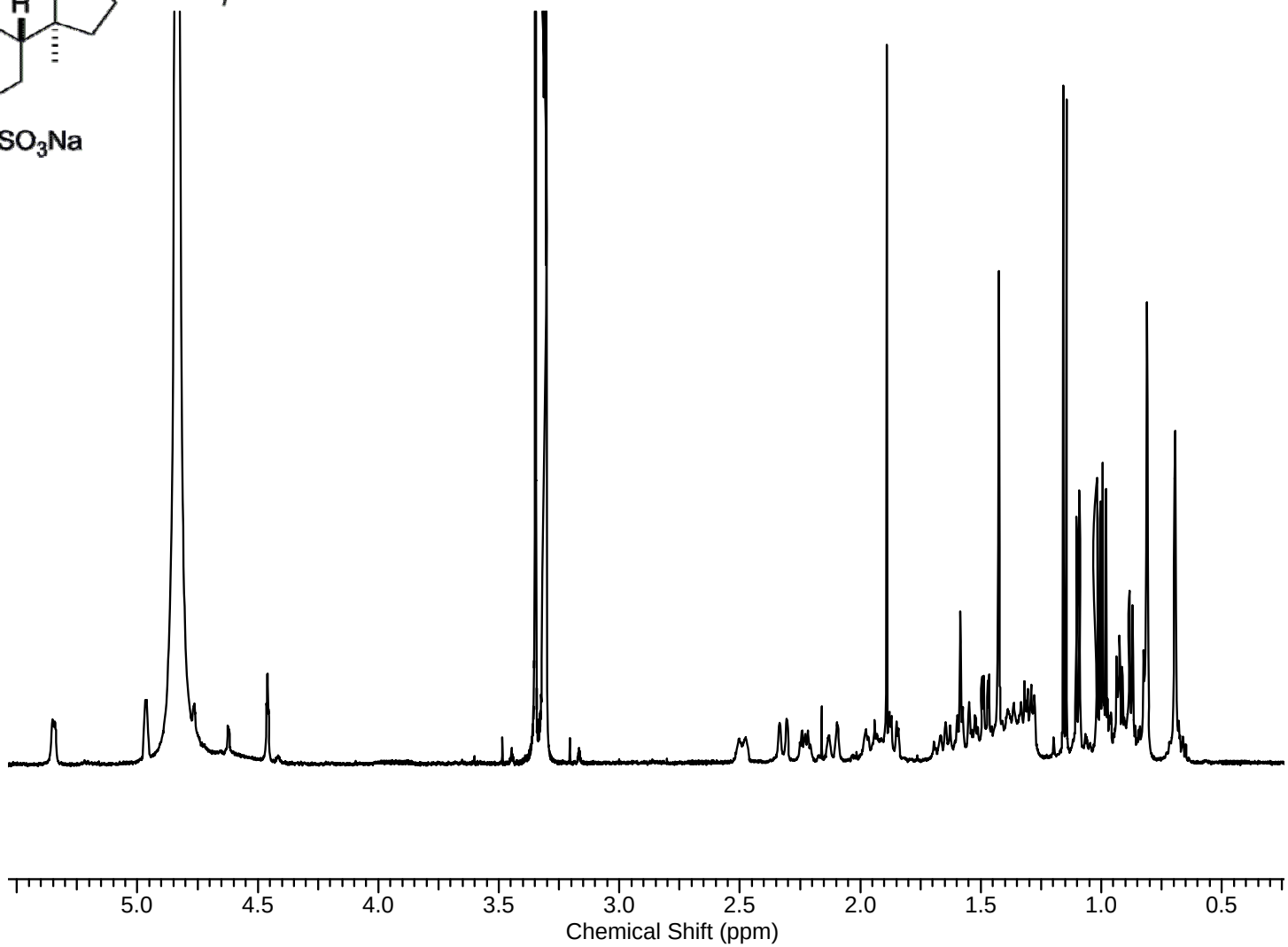
S3 ^{13}C NMR Spectrum for Spheciosterol Sulfate A (**1**) in CD_3OD



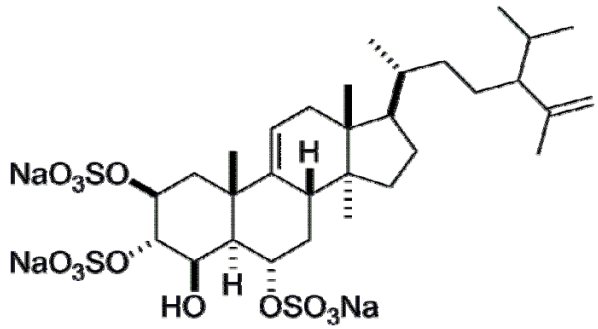


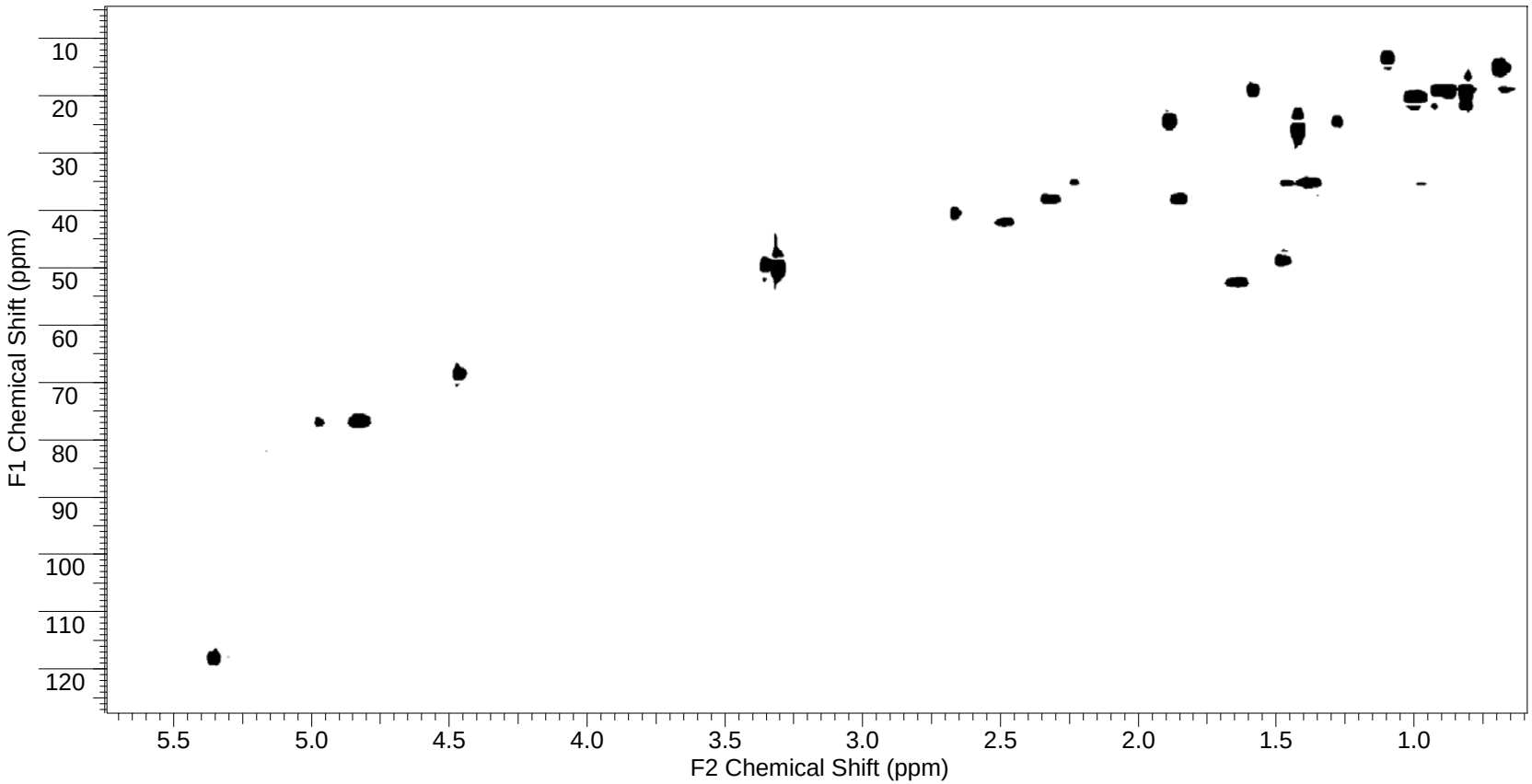
S4 ^{1}H NMR Spectrum for Spheciosterol Sulfate B (**2**) in CD_3OD



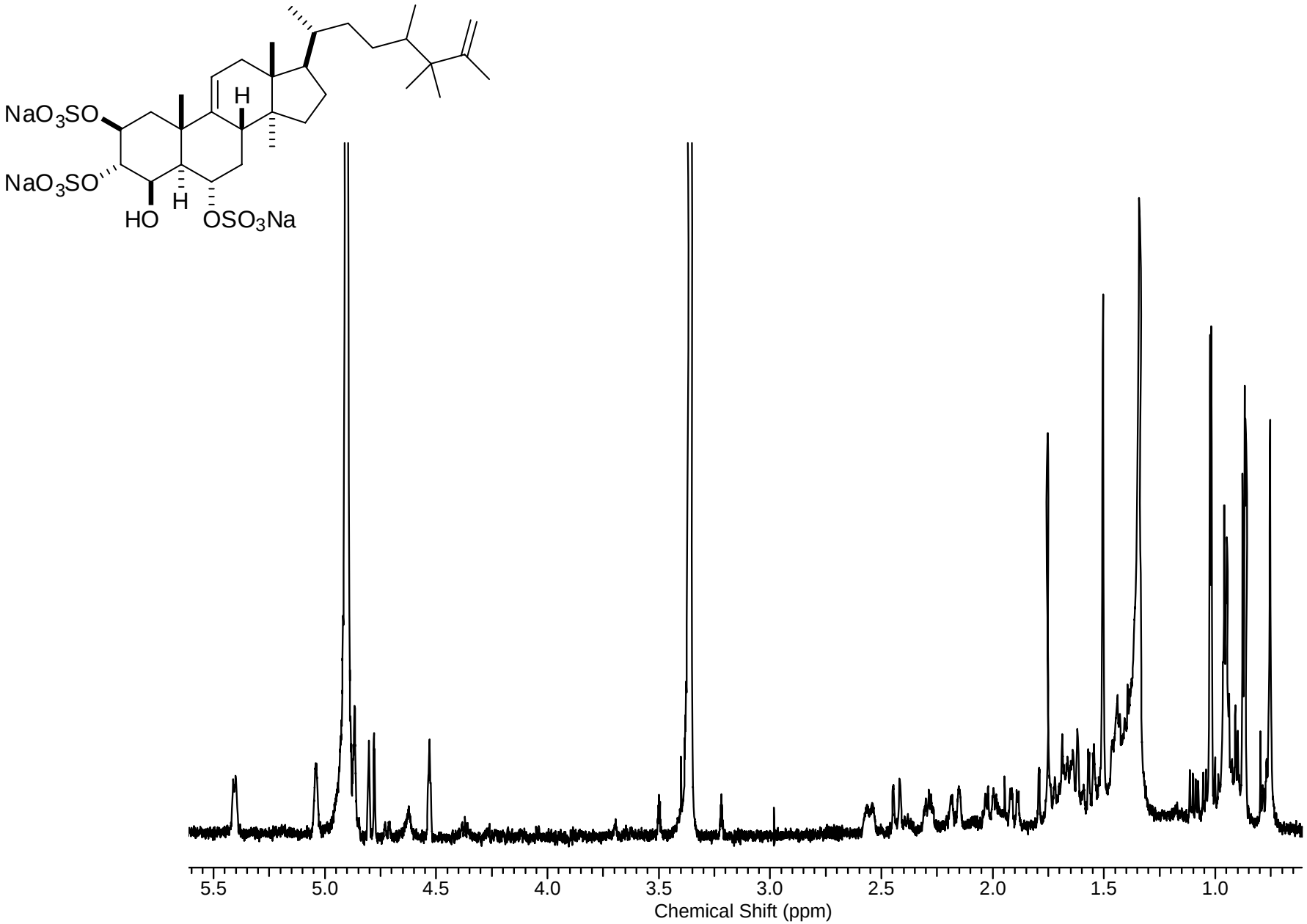


S5 gHSQC NMR Spectrum for Spheciosterol Sulfate B (**2**) in CD_3OD

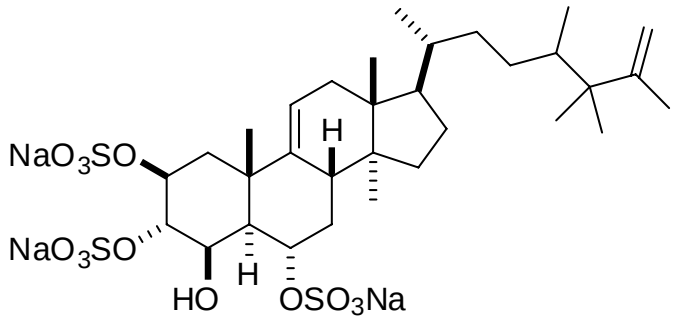


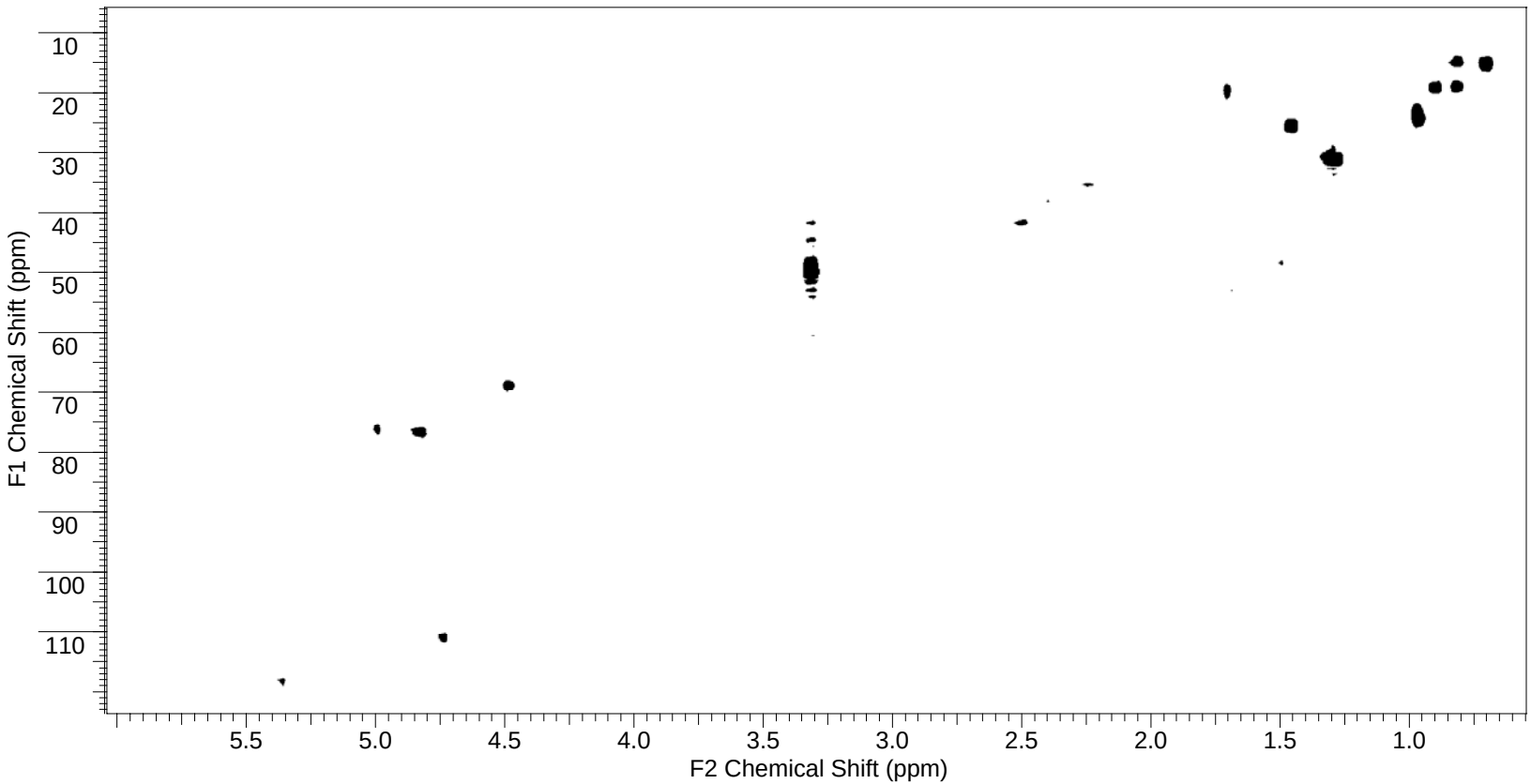


S6 ^{1}H NMR Spectrum for Spheciosterol Sulfate C (**3**) in CD_3OD

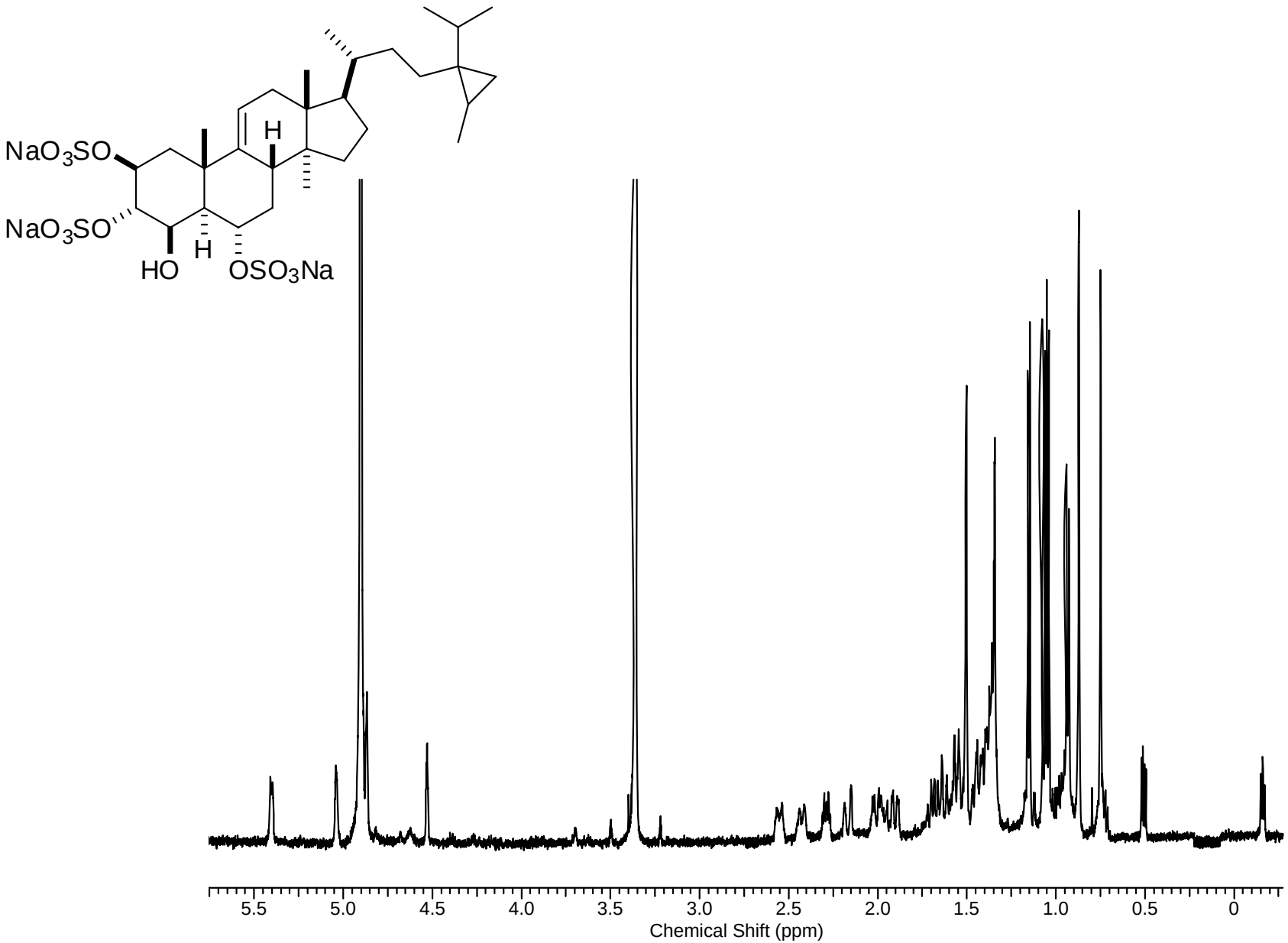


S7 gHSQC NMR Spectrum for Spheciosterol Sulfate C (**3**) in CD_3OD

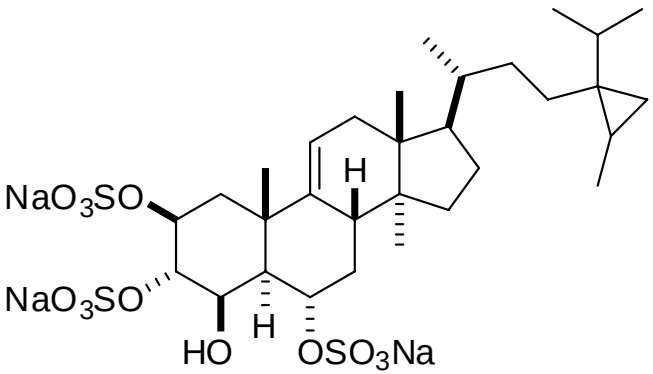




S8 ^{1}H NMR Spectrum for Topsentiasterol Sulfate E (**4**) in CD_3OD



S9 ^{13}C NMR Spectrum for Topsentiasterol Sulfate E (**4**) in CD_3OD



Supplemental Table 1. NMR data for topsentiasterol sulfate E (**4**) (500 MHz, CD_3OD)

	topsentiasterol sulfate E (**4**)	
position	δ_H mult (*J*, Hz)	δ_C
1α	1.84, dd (14.8, 4.4)	37.2
1β	2.38, br d (14.8)	
2	4.99, m	75.6
3	4.82, dd (2.6, 1.9)	76.2
4	4.47, dt (3.1, 2.6)	68.4
5	1.50, dd (11.8, 3.1)	47.9
6	4.84[a]	76.0
7α	1.57, m	35.2
7β	2.24, dt (11.3, 4.5)	
8	2.50, br d (12.5)	41.2
9		146.5
10		39.5
11	5.35, br d (5.2)	117.4
12α	2.12, br d(17.6)	38.2
12β	1.95, dd (17.6, 5.8)	
13		45.5
14		47.9
15α	1.40, m	34.6
15β	1.47, m	
16α	1.92, m	28.8
16β	1.33, m	
17	1.63, m	52.0
18	0.69, s	14.9
19	1.44, s	25.3
20	1.30, m	38.1
21	0.88, d (6.4)	18.9
22a	1.38, m	34.8
22b	0.97, m	
23a	1.53, m	30.3
23b	1.08, m	
24		28.9
25	1.30, m	32.7
26	1.02, d (7.0)	20.7
27	0.99, d (7.0)	20.6
28	0.68, m	18.8
29a	0.45, dd (8.6, 4.2)	20.1
29b	-0.22, br dd (4.7, 4.2)	
30	1.10, d (7.0)	13.9
31	0.81, s	18.7

[a]overlapped with HOD signal