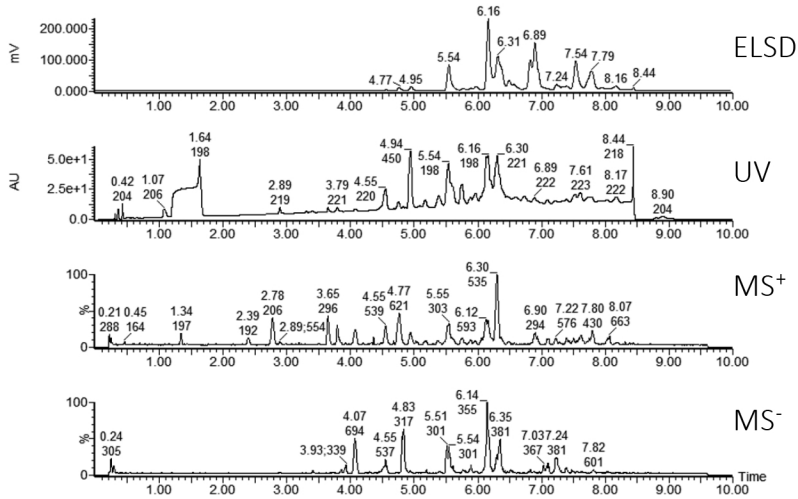
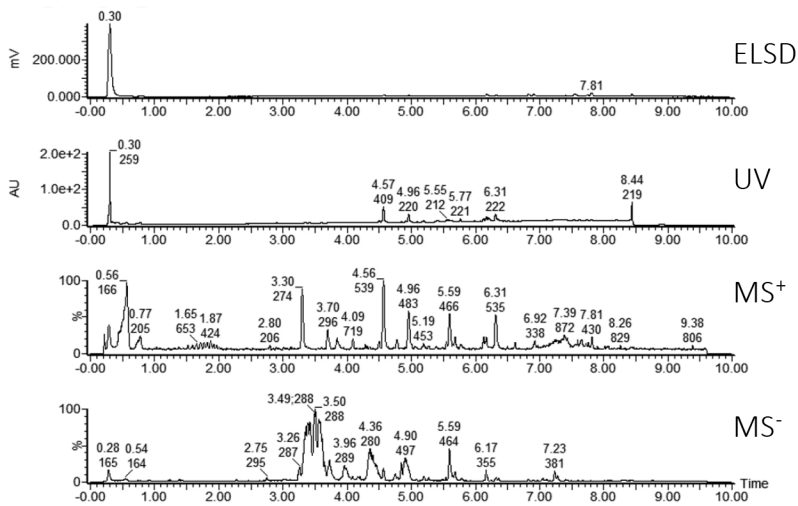
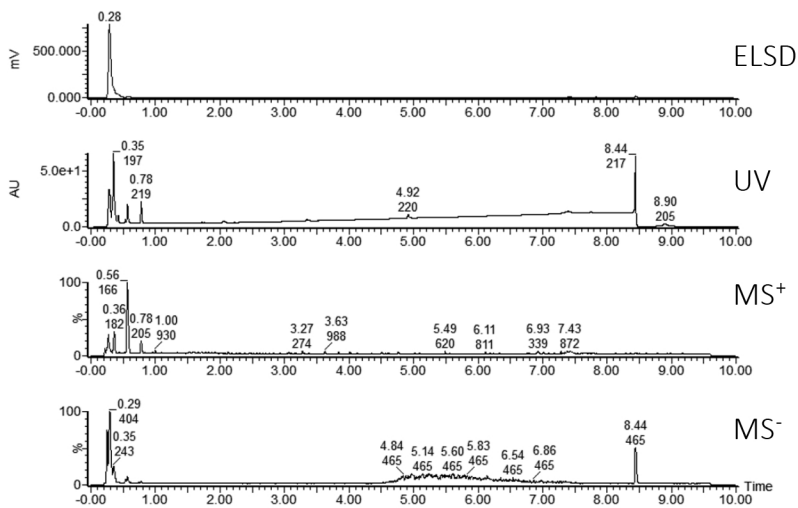
Ophiura sarsii, chloroform extract



Ophiura sarsii, ethanol extract

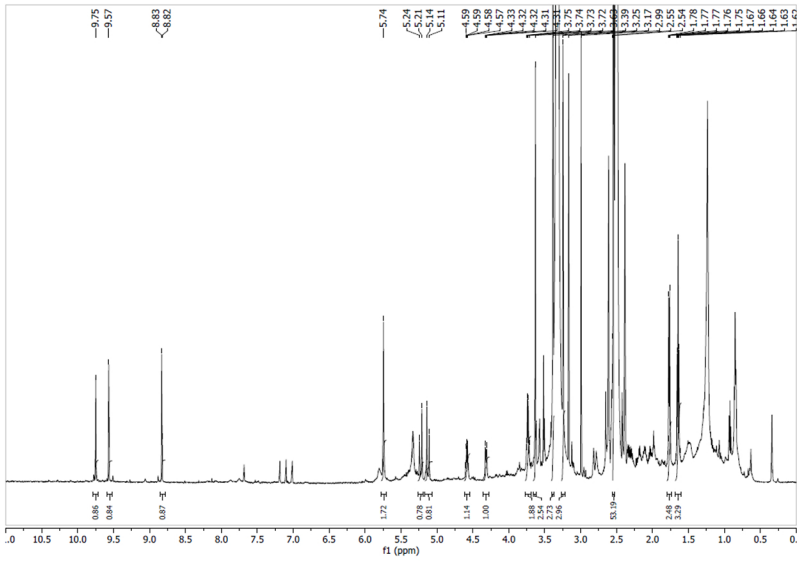


Ophiura sarsii, water extract



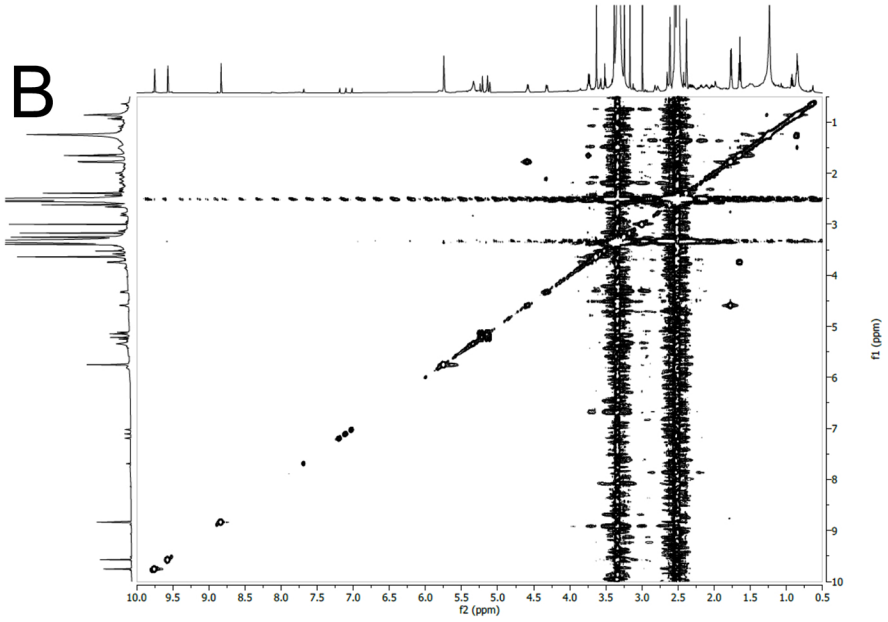
Klimenko *et al.*, Supplementary Figure 1.
UHPLC-PDA-ELSD-MS analysis of the initial chloroform, ethanol, and water extracts of *O. sarsii.* The ELSD trace shows relative scarcity of compounds in the water extract and abundance of compounds extracted with chloroform and ethanol.

A



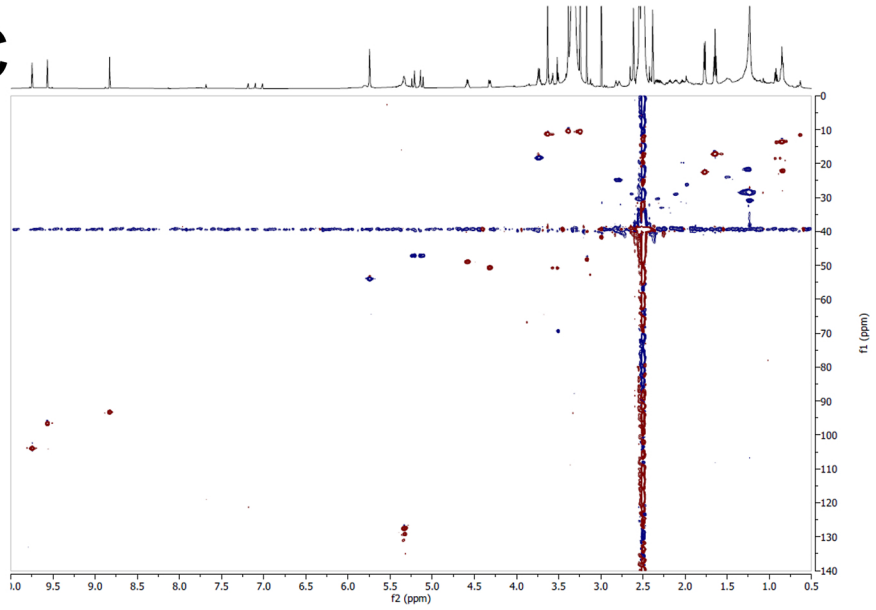
^{1}H NMR spectrum of compound 1 in DMSO-d_6 at 600 MHz

B



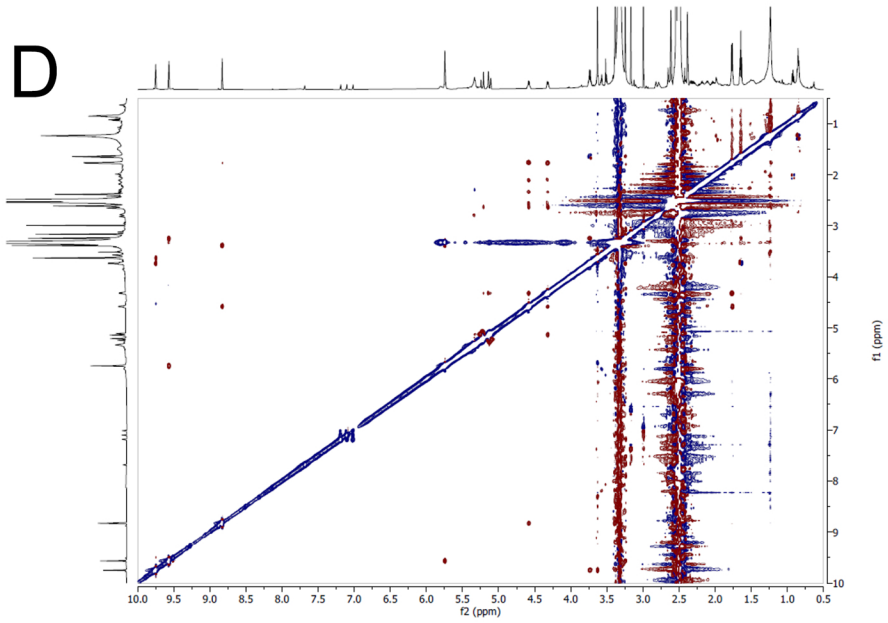
COSY NMR spectrum of compound 1 in DMSO-d_6

C



Edited-HSQC NMR spectrum of compound 1 in DMSO-d_6

D



ROESY NMR spectrum of compound 1 in DMSO-d_6

Klimenko *et al.*, Supplementary Figure 2. Details of the NMR identification of fraction 14 as compound 1, (3S,4S)-14-Ethyl-9-(hydroxymethyl)-4,8,13,18-tetramethyl-20-oxo-3-phorbinepropanoic acid.

Supplementary Table 1: NMR chemical shifts of compound **1** in DMSO-d_6 and the same compound reported by Tamiaki, H., Shinkai, A. and Kataoka, Y**.** (2009). Synthesis of galactosylated zinc bacteriochlorophyll-d analogs and their self-aggregation in an aqueous methanol solution. *Journal of Photochemistry and Photobiology a-Chemistry* **207**, 115-125.

	Compound 1 in DMSO-d_6 at 600 MHz		**Compound 1 in CD_3OD-$CDCl_3$ reported by Tamiaki et al. 2009***
No	**δ_H (Multiplicity, *J*, nH)**	**δ_C**	
2a	3.39 (s, 3H)	10.3	3.57 (s, 3H)
3a	5.74 (s, 2H)	53.9	5.80 (s, 2H)
5	9.57 (s, 1H)	96.7	9.42 (s, 1H)
7a	3.25 (s, 3H)	10.5	3.36 (s, 3H)
8a	3.74 (q, 7.6 Hz, 2H)	18.3	3.63 (q, 8.0 Hz, 2H)
8b	1.64 (t, 7.6 Hz, 3H)	17.1	1.64 (t, 8.0 Hz, 3H)
10	9.75 (s, 1H)	103.9	9.42 (s, 1H)
12a	3.63 (s, 3H)	11.2	3.21 (s, 3H)
13b'	5.23 (d, 19.4 Hz, 1H)	47.1	5.19 (d, 20.0 Hz, 1H)
13b''	5.12 (d, 19.4 Hz, 1H)		5.02 (d, 20.0 Hz, 1H)
17	4.32 (dt, 10.0,2.9 Hz, 1H)	50.6	4.18 (m, 1H)
17a'	2.64 (m, 1H)	29.0	2.31-2.23, 2.00-1.97
17a''	2.11 (m, 1H)		2.31-2.23, 2.00-1.97
17b'	2.55 (m, 1H)	30.4	2.31-2.23, 2.00-1.97
17b''	2.32 (m, 1H)		2.31-2.23, 2.00-1.97
18	4.58 (qd, 7.4, 2.9 Hz, 1H)	48.9	4.42 (q, 8.0 Hz, 1H)
18a	1.77 (d, 7.4 Hz, 3H)	22.5	1.74 (d, 8.0 Hz, 3H)
20	8.83 (s, 1H)	93.2	8.53