

# Supplementary Materials: Extraction improvement of the bioactive blue-green pigment “marennine” from diatom *Haslea ostrearia*'s blue water: a solid-phase method based on graphitic matrices

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## 1. Supplementary results

2 NMR spectra are shown in the following figures. The figure S1 presents the HSQC <sup>1</sup>H-<sup>13</sup>C  
3 spectrum of the yellow tinted, sulfated polysaccharides fraction extracted from *Haslea ostrearia*'s blue  
4 water, while the proton spectrum appears in figure S2.

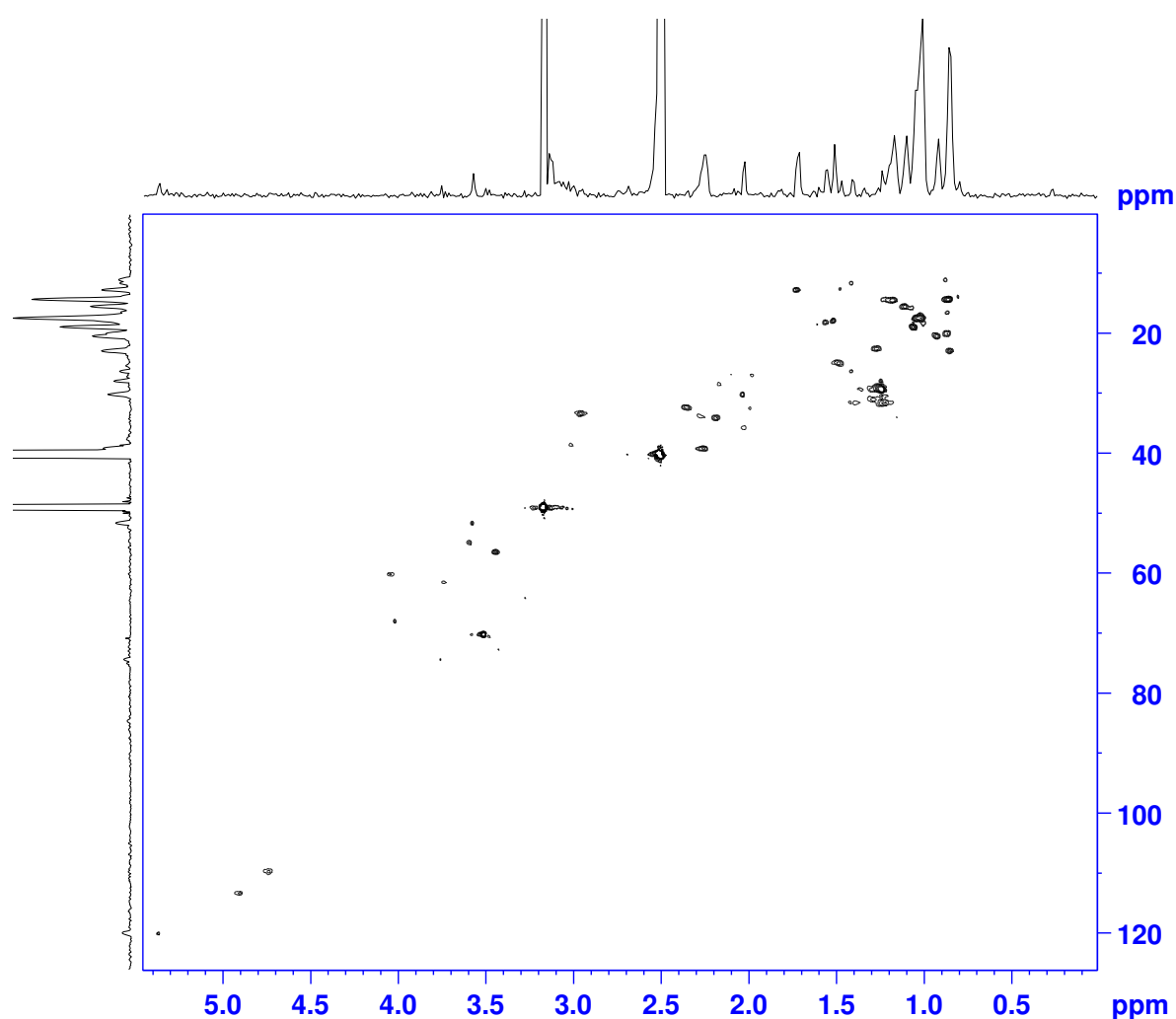
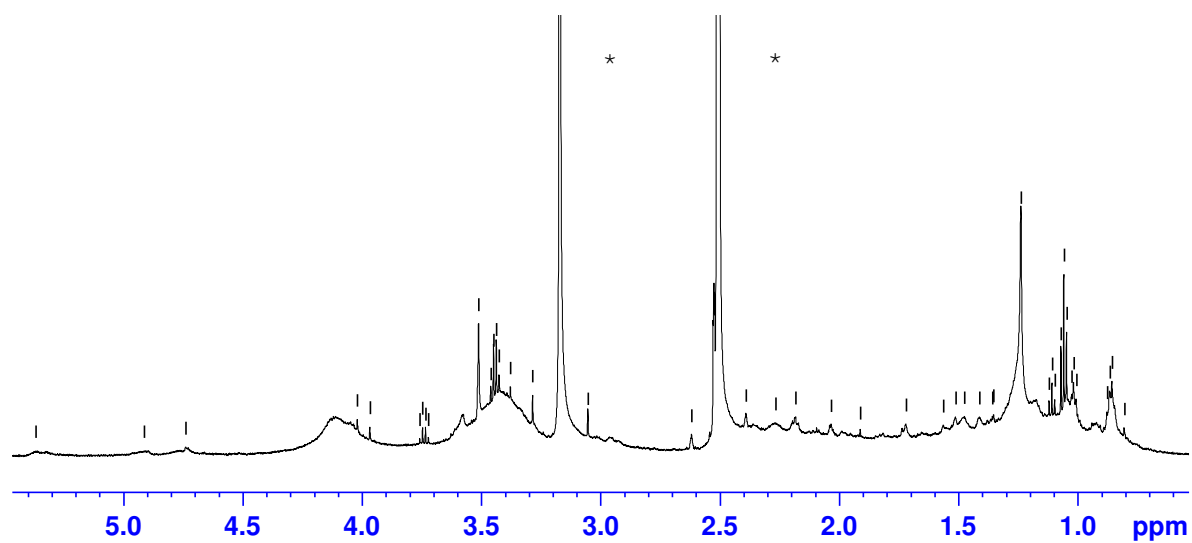


Figure S1. HSQC <sup>1</sup>H-<sup>13</sup>C spectrum of the sulfated polysaccharides crude extract in DMSO-d<sub>6</sub>, 25 °C.



**Figure S2.** NMR proton spectrum of the sulfated polysaccharides crude extract in DMSO-d<sub>6</sub>, 25 °C.  
Intense signals at 2.5 and 3.2 ppm (\*) belong to DMSO and methanol, respectively.

5 **Abbreviations**

6 The following abbreviations are used in this manuscript:

7

8 NMR Nuclear magnetic resonance spectroscopy