

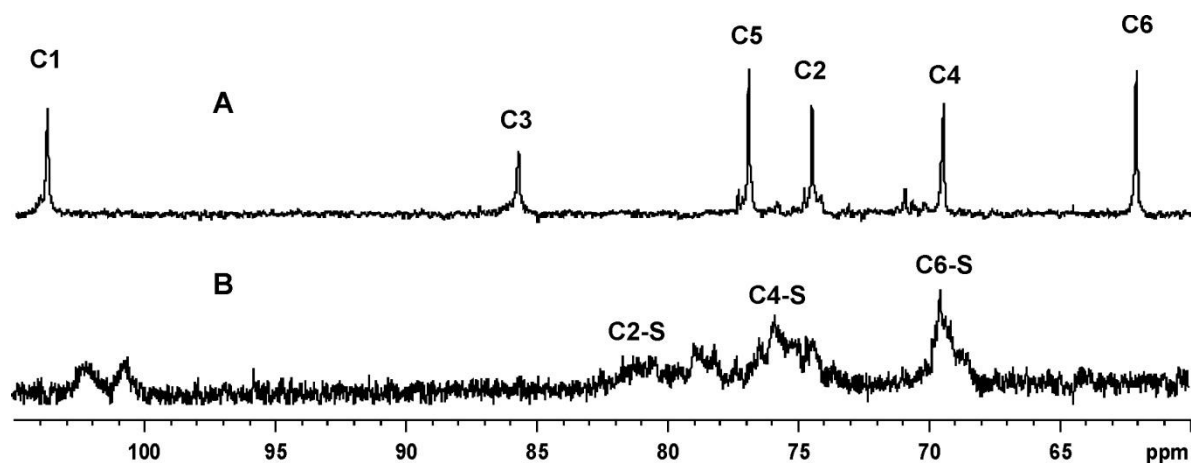
# Supporting Information

## Combined Anticancer Effect of Sulfated Laminaran from the Brown Alga *Alaria angusta* and Polyhydroxysteroid Glycosides from the Starfish *Protoreaster lincki* on 3D Colorectal Carcinoma HCT 116 Cell Line

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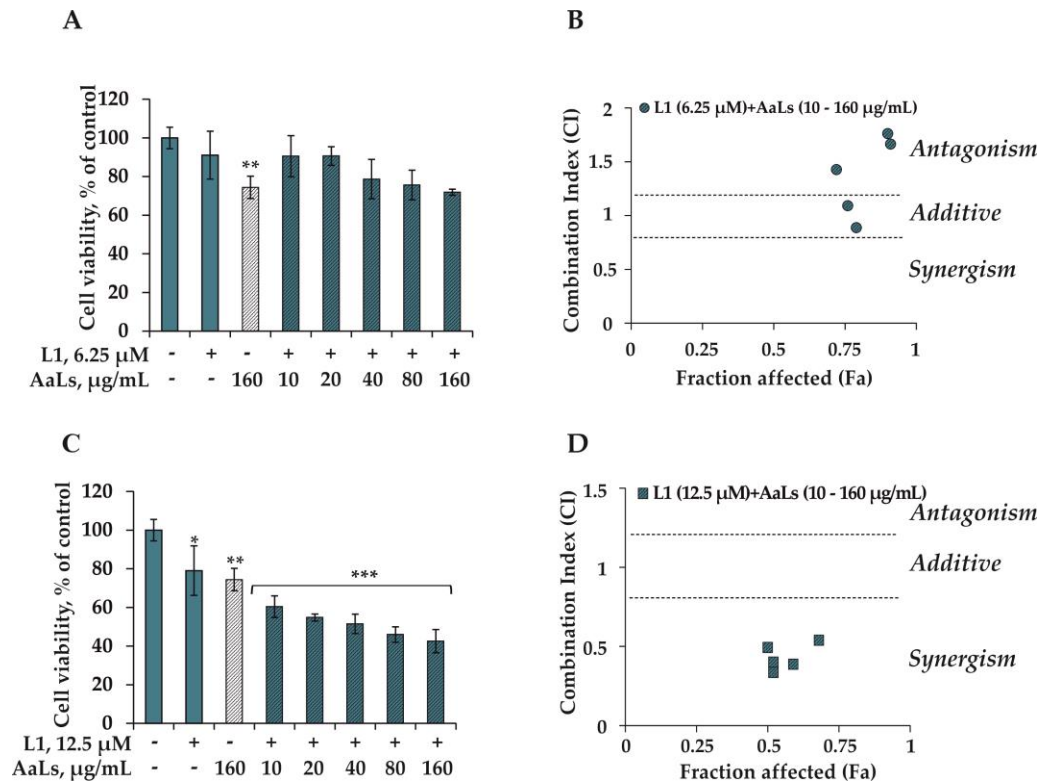
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**Figure S1.** <sup>13</sup>C NMR spectra of native AaL (A) and sulfated AaLs (B) laminarans from *A. angusta*

C1, C2, C3, C4, C5, and C6 – signals of carbons of 1,3-linked β-D-glucose residues in the main chain; S – sulfate groups.



**Figure S2.** Combined effect of L1 with AaLs on viability of 3D HCT 116 spheroids.

3D HCT 116 spheroids were treated with (A) L1 at 6.25  $\mu$ M in combination with AaLs (10, 20, 40, 80, 160  $\mu$ g/mL) or (C) L1 at 12.5  $\mu$ M in combination with AaLs (10, 20, 40, 80, 160  $\mu$ g/mL) for 72 h. Cell viability was assessed using the MTS assay. (B, D) Type of combination of L1 with AaLs calculated by by Compusyn software 1.0.1 (ComboSyn, Inc., Paramus, NJ, USA). Combination index (CI) is a quantitative measure of the degree of interaction between different treatments. A CI equal to 0.9–1.1 is considered additive; a CI value of greater than 1.1 represents antagonism; and CI values less than 0.7 denotes synergism. All analyzes were performed in three independent experiments. Results are expressed as mean  $\pm$  standard deviation (SD). Student's test was used to evaluate data with the following significance level \*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$ .