

Supporting Information

Antinociceptive and Anti-inflammatory Activities of the Lectin from Marine Red Alga *Solieria filiformis*

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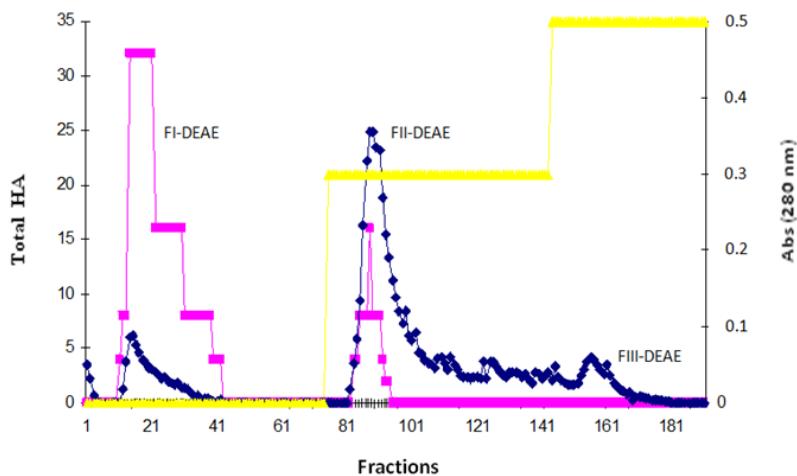


Fig. 1S Ion exchange chromatography on DEAE-cellulose gel with F0/70 from *S. filiformis*. The fractions were eluted stepwise with Tris-HCl buffer 25 mM, pH 7.5 (TB), without NaCl (FI-DEAE) and with NaCl 0.3 (FII-DEAE) and 0.5 M (FIII-DEAE). Fractions: 5 mL/tube. (◆—◆) Absorbance at 280 nm; (■—■) Total hemagglutinating activity (Total HA), which is the highest dilution that causes a visible agglutination; (▲—▲) NaCl concentrations in the TB (0, 0.3, and 0.5 M).

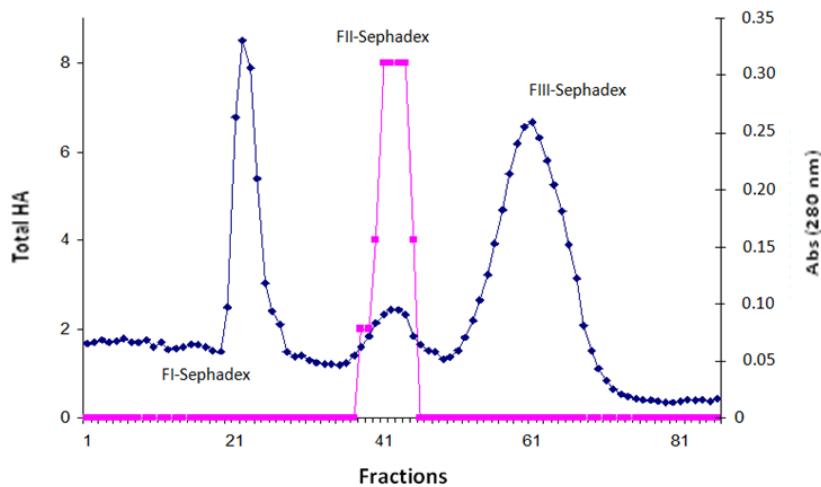


Fig. 2S Gel filtration chromatography on a Sephadex G-100 column with FI-DEAE from *S. filiformis*. The fractions were eluted with Tris-HCl buffer 25 mM, pH 7.5 (TB). Fractions: 2 mL/tubo. (◆—◆) Absorbance at 280 nm; (■—■) Total hemagglutinating activity (total HA), which is the highest dilution that causes a visible agglutination.

Tab. 1S Purification of the lectin from the red marine alga *S. filiformis* (SfL).

FRACTIONS	TOTAL PROTEIN ^a (mg)	PROTEIN YIELD (%)	HEMAGGLUTINATING ACTIVITY		MCA ^d ($\mu\text{g} \cdot \text{mL}^{-1}$)
			TOTAL ^b (U.H. mL^{-1})	ESPECIFIC ^c (U.H. mg P $^{-1}$)	
Extract Total	333.33	100	76190.72	228.57	4.38
F0/70	196.71	59	82892.80	421.40	2.37
FI-DEAE	18.36	5.50	10491.12	571.41	1.75
FII-Sephadex - SfL	4.20	1.30	8400	2000	0.50

^aObtained from 500 g of alga.

^bInverse of the highest dilution that still causes agglutination of rabbit erythrocytes treated with trypsin (2%).

^cHemagglutination units per mg of protein.

^dMinimal concentration able to agglutinate a suspension of trypsinized rabbit erythrocytes (2%).