

## Supplementary Information

### Isolation and antitumor efficacy evaluation of a polysaccharide from *Nostoc commune* Vauch.

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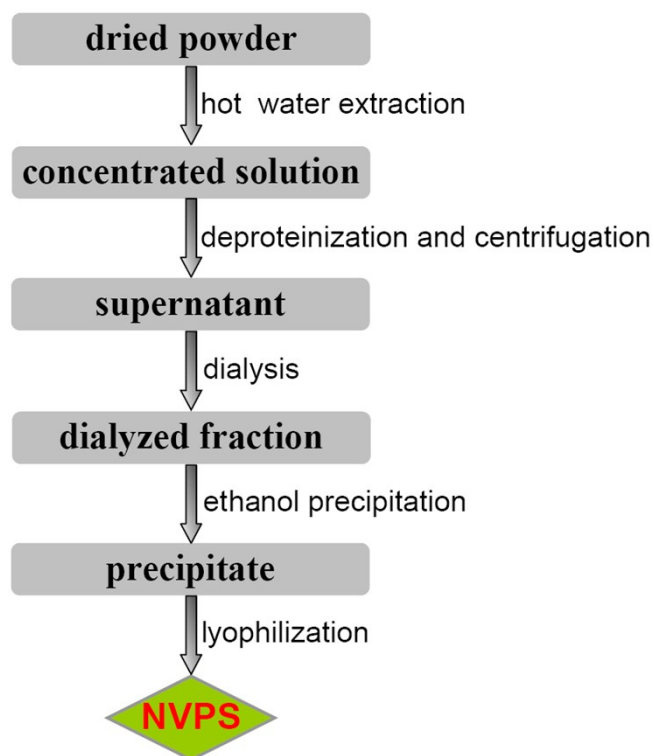
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**Figure S1.** Steps involved in the extraction and purification of polysaccharides from *Nostoc commune* Vauch. (NVPS).

**Table S1** Monosaccharide compositions of NVPS<sup>a</sup>.

Neutral sugar	Monosaccharide composition in NVPS (mol)
Rhamnose	— <sup>b</sup>
Fucose	— <sup>b</sup>
Arabinose	4.96±0.17
Xylose	182.05±0.32
Mannose	0.97±0.41
Glucose	1
Galactose	3.15±0.09

<sup>a</sup> Values are expressed as means ± SD and three replicated independent determinations.

<sup>b</sup> Not detectable.

**Table S2** Cytotoxic activity of NVPS against various human cell lines.

Cell lines	IC <sub>50</sub> (mg/mL)
MCF7 (Breast cancer cell)	0.067±0.004
DLD1 (Colon cancer cell)	0.11±0.02

MCF7 and DLD1 cells were incubated with various doses of NVPS for 36 and 48 h, respectively, and subjected to MTT assays to measure IC<sub>50</sub> values.