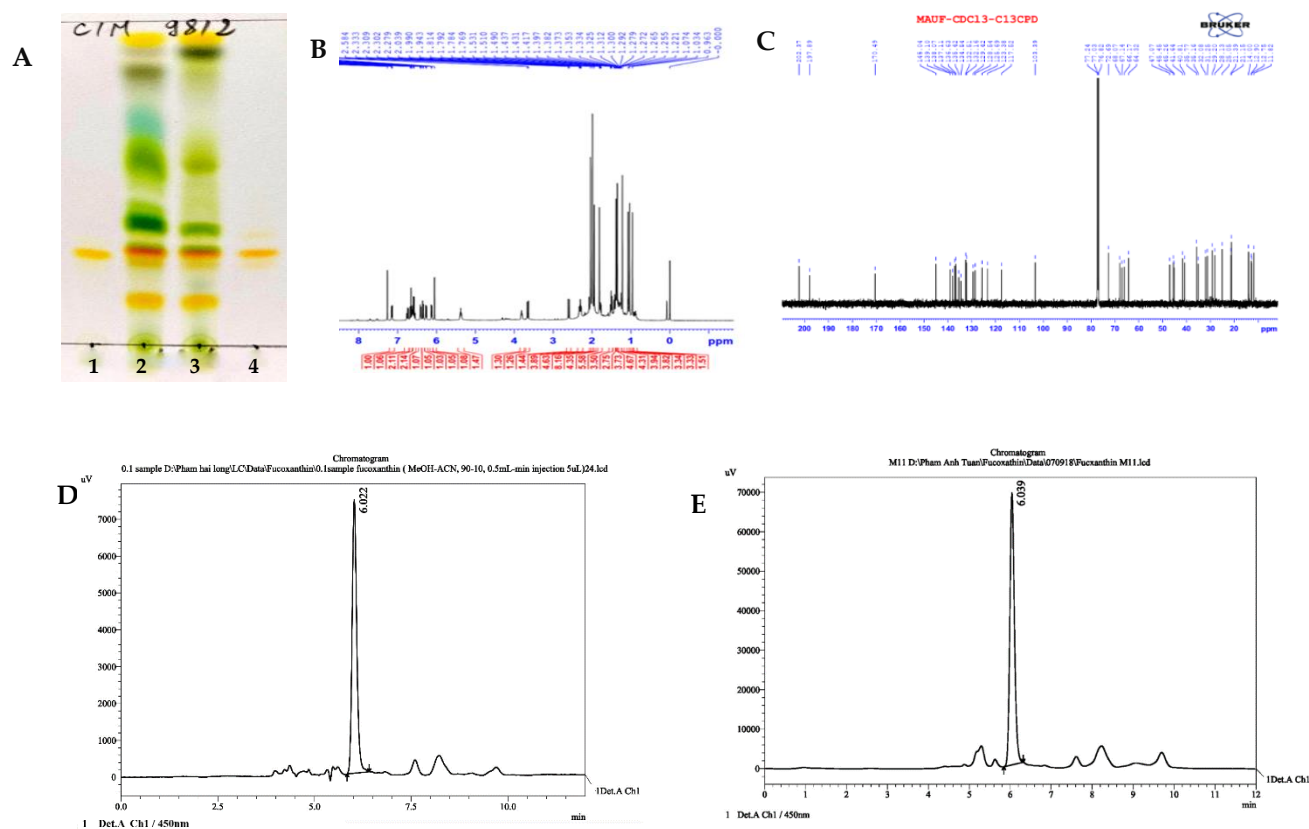


## Supplementary figures



**Figure S1.** Separation of fucoxanthin from *S. oligocystum* by thin layer chromatography (A). Standard fucoxanthin (well 1, with a concentration of  $50 \mu\text{g mL}^{-1}$ ), extracts obtained in the methanol phase (well 2), extracts obtained in the acetone phase (well 3), and fucoxanthin obtained after purification of the crude fucoxanthin by column chromatography (well 4). The  $^1\text{H}$  NMR spectrum (B); The  $^{13}\text{C}$ -DEPT-NMR spectrum (C); HPLC chromatograms of standard fucoxanthin (D) and fucoxanthin isolated from Vietnamese *S. oligocystum* (E).