# Supplementary Materials

# Soritesidine, a novel proteinous toxin from the Okinawan marine sponge *Spongosorites* sp.

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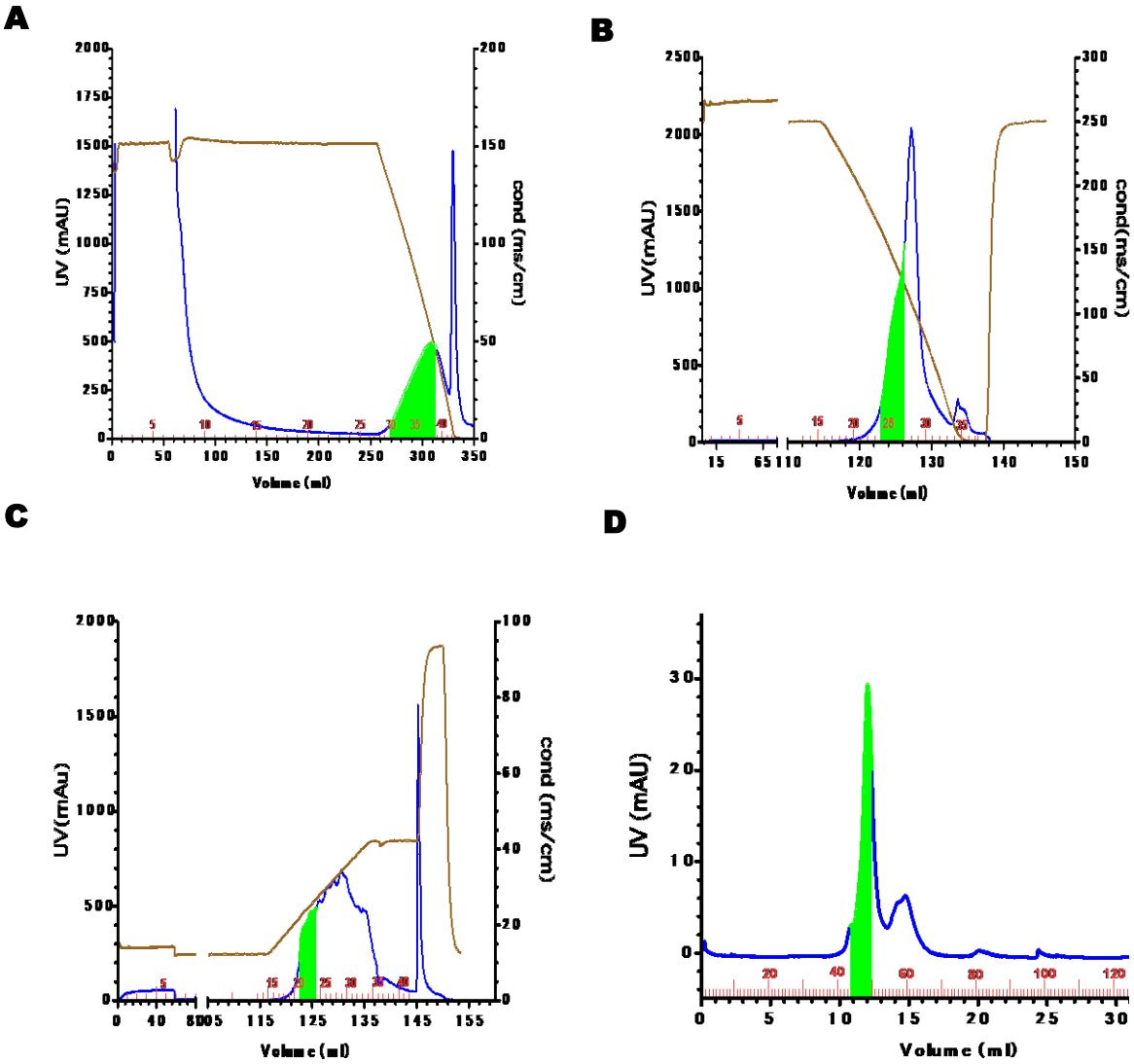


**Figure S1**. Chromatographic behaviors of SOR in the sponge extract. The first hydrophobic chromatography using HiTrap Butyl-FF (A), the second hydrophobic chromatography by RESOURCE-ISO (B), An anion exchange chromatography by RESOURCE-Q (C), and Gel filtration chromatography on a Superdex 200 10/30 column.

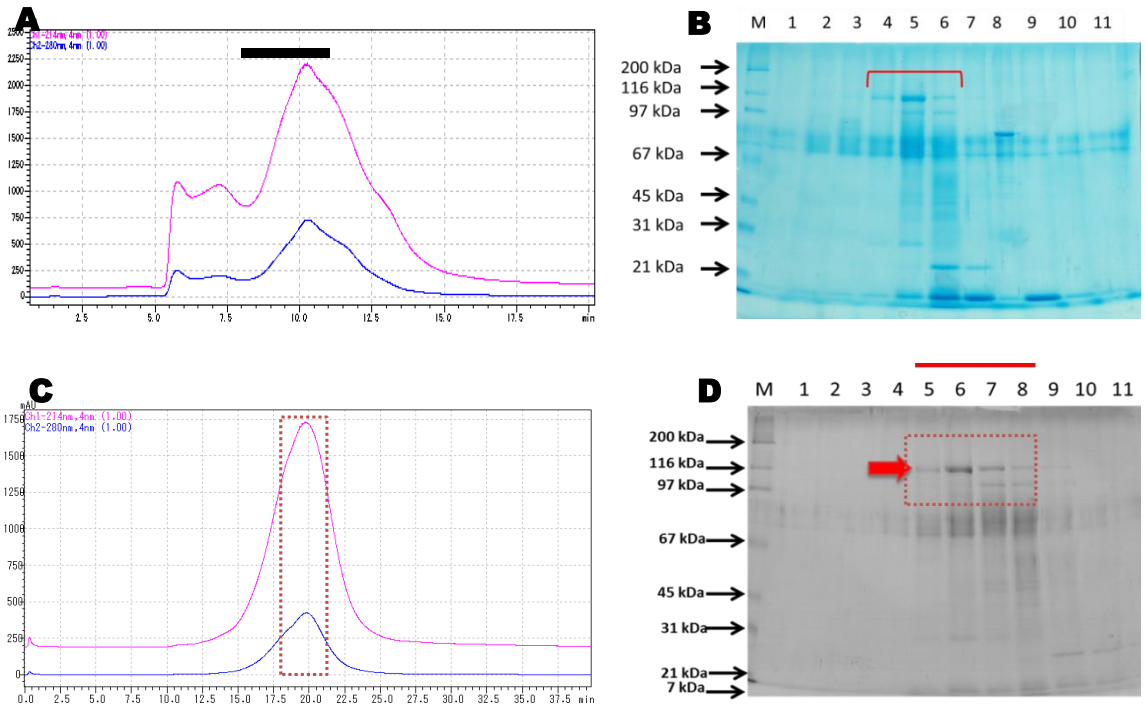


**Figure S2.** Purification of SOR by BioSec-5 gel filtration HPLC. The first run (A) and SDS-PAGE of fractions (B). The second run (C) and SDS-PAGE of fractions (D). Bar indicates fractions with brine shrimp activity.

**Table S1.** Amino acid sequence for N-terminal and protease digests of SOR determined by Edman degradation.

| Partial amino acid sequences |
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| KLGDQRQIDIASWNTFDFGGVXKAN (N-terminal) |
| (K)XGH |
| (K)LPG |
| (K)NFDY |
| (K)SGXST |
| (K)TGAXXXE |
| (K)ESAAETEN （E/G） |
| (K)(A/G)GXNNNHXH |
| (K)PLDVRGTY（D/E）XXXV |
| (K)ASAAPTNN（N/A）XTSLSSGXD（E/G） |
| (K)HXQDRIQPAXPPXH |
| (K)XLD（D/E）ETLE |
| (K)ANTGIGNVVIERTDNPNTVPYIPA |
| (K)LALEVPLRTVNXT |
| (K)FAVITLGDLNADGXH |
| (K)GDGENXNDNXDXYD |
| (K)ASTGSTIPXGXXT |
| (K)（Q/G）AGFVPNXTXDXT |