



Staphylopeptide A, a new cyclic tetrapeptide from culture broth of *Staphylococcus* sp.

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Abstract:

Re-investigation of the culture broth of the marine bacterium *Staphylococcus* sp. (no. P-100826-4-6) afforded a new cyclic tetrapeptide namely staphylopeptide A (1), along with five known compounds, cyclo (L-prolyl-L-valine) (2), cyclo (L-prolyl-L-tyrosine), (3), cyclo (L-prolyl-L-alanine) (4), L-phenylalanine (5), and L-tryptophan (6). The structures of the isolated compounds were determined by extensive IR, 1D (1H and 13C) and 2D (1H-1H COSY, HSQC, HMBC, and NOESY) NMR and HRFABMS spectral measurements. The antimicrobial activity of the isolated compounds (1-6) was evaluated.

Keywords:

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