

## 29M-am06

6-Hydroxy-5-methylramulosin, a new natural product produced by a marine derived fungus, isolated from a green alga

○Ahmed Atef El-Beih<sup>1</sup>, 加藤 光<sup>1</sup>, 太田 富久<sup>1</sup>, 塚本 佐知子<sup>1</sup> (<sup>1</sup>金沢大院薬)

In our search for new compounds with biological activities from marine environment, fungi were isolated from marine organisms collected in Toyama Bay. Screening for cytotoxicity and antimicrobial activity afforded several potent samples. Large scale cultivation of one of them led to the isolation of a new natural product, 6-hydroxy-5-methylramulosin (**1**), together with the three known compounds **2-4**. Structures were elucidated on the basis of spectral data, and the compounds exhibited a moderate cytotoxic activity against HeLa cells. Compounds **2-4** were originally isolated from the fungi, *Valsa ceratosperma*, the pathogen of apple canker, and a conifer endophyte, *Canoplea elegantula*, whose culture showed toxicity to spruce budworm larvae.

