

A New Tetrahydrofuran Derivative from the Endophytic Fungus *Chaetomium* sp. Isolated from *Otanthus maritimus*

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A hitherto unidentified endophytic strain of the genus *Chaetomium*, isolated from the medicinal plant *Otanthus maritimus*, yielded a new tetrahydrofuran derivative, aureonitolic acid (**1**), along with 5 known natural products, **2**–**6**. The structure of **1** was determined by extensive spectroscopic analysis and comparison with reported data. Extracts of the fungus, grown either in liquid culture or on solid rice media, exhibited considerable cytotoxic activity when tested *in vitro* against L5178Y mouse lymphoma cells. Compounds **2** and **6** showed significant growth inhibition against L5178Y cells with EC₅₀ values of 7.0 and 2.7 g/mL, respectively, whereas **1** was inactive.

Key words: Endophytes, *Chaetomium*, Natural Products, Structure Elucidation