SUPPLEMENTARY MATERIAL

Penifupyrone, a New Cytotoxic Funicone Derivative from the Endophytic Fungus *Penicillium* sp. HSZ-43

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Penifupyrone (**1**), a new funicone derivative, has been isolated from the endophytic fungus *Penicillium* sp. HSZ-43, along with three known analogues, funicone (**2**), deoxyfunicone (**3**), and 3-*O*-methylfunicone (**4**). These structures were identified by spectroscopic methods, inclusive of UV, MS, and 1D and 2D NMR experiments. The structure of **1** was confirmed by single-crystal X-ray diffraction analysis. All the isolated compounds were evaluated for cytotoxicity against human oral epidermoid carcinoma KB cells, and compound **1** showed moderate cytotoxic activity with IC₅₀ value of 4.7 μM.

Keywords: endophytic fungus; *Penicillium* sp.; secondary metabolites; cytotoxic activity

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