

Structure of Islandic Acid, a New Metabolite from *Penicillium islandicum* Sopp.

Yasuo Fujimoto,* Hiroshi Tsunoda, Jun Uzawa, and Takashi Tatsuno

The Institute of Physical and Chemical Research, Wako-Shi, Saitama 351, Japan

The structure of islandic acid, a new anti-tumour metabolite isolated from *P. islandicum* Sopp., has been determined by the application of $^{13}\text{C}\{-^1\text{H}\}$ long range selective proton decoupling experiments on its methyl ester.

Penicillium islandicum Sopp. was isolated from imported yellowed rice by Tsunoda in 1948, and two metabolites, luteoskyrin and cyclochlorotine, which caused serious liver damage, have been isolated as major mycotoxins produced

by this fungus.¹ Modification of culture conditions much increased the yield of cyclochlorotine as well as production of a new metabolite. The new metabolite, which we have named islandic acid, showed cytotoxicity against Yoshida sarcoma

