

AN ANTIMICROBIAL ALKALOID AND OTHER METABOLITES PRODUCED BY *Penicillium* sp. AN  
ENDOPHYTIC FUNGUS ISOLATED FROM *Mauritia flexuosa* L. f.

Hector Henrique Ferreira Koolen\*, Elzalina Ribeiro Soares, Felipe Moura Araújo da Silva, Richardson Alves de Almeida e Afonso Duarte Leão de Souza

Departamento de Química, Universidade Federal do Amazonas, Av. Gal. Rodrigo Otavio, 3000, 69077-000 Manaus - AM, Brasil

Lívia Soman de Medeiros e Edson Rodrigues Filho

Departamento de Química, Universidade Federal de São Carlos, Rod. Washington Luiz, km 235, 13565-905 São Carlos - SP, Brasil

Antonia Queiroz Lima de Souza

Escola Superior de Ciências da Saúde, Universidade do Estado do Amazonas, Av. Carvalho Leal, 1777, 69065-001 Manaus - AM, Brasil

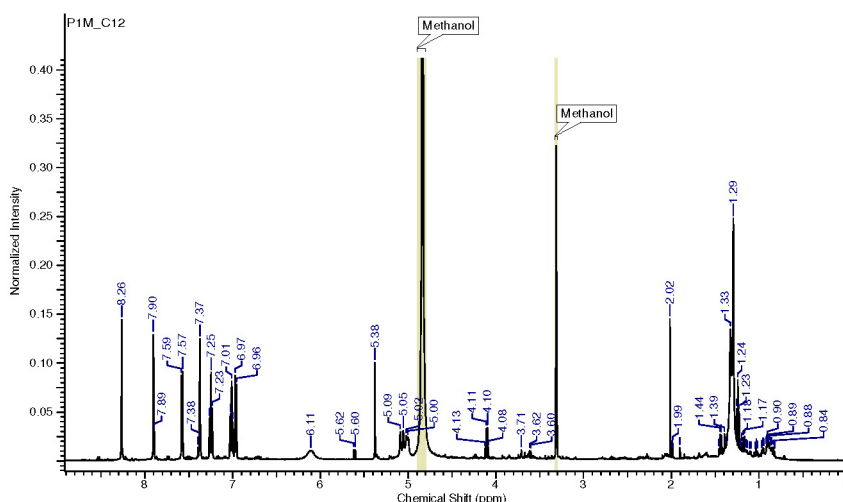


Figure 1S. <sup>1</sup>H NMR spectrum of the compound 1

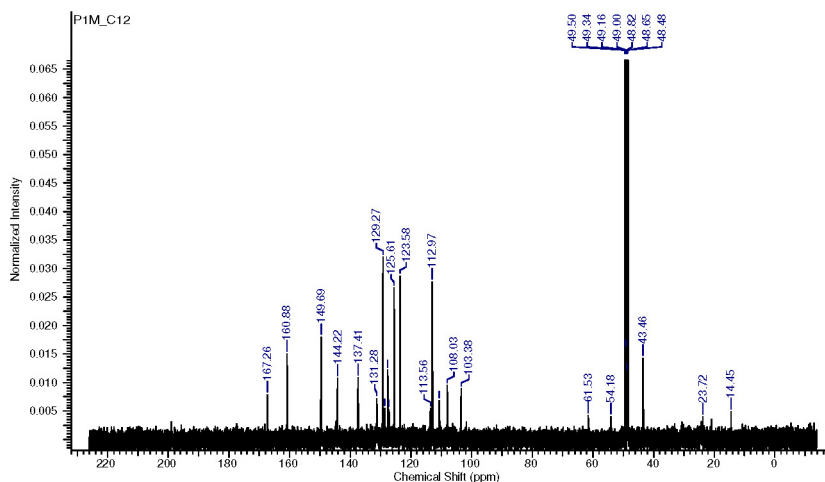


Figure 2S. <sup>13</sup>C NMR spectrum of the compound 1

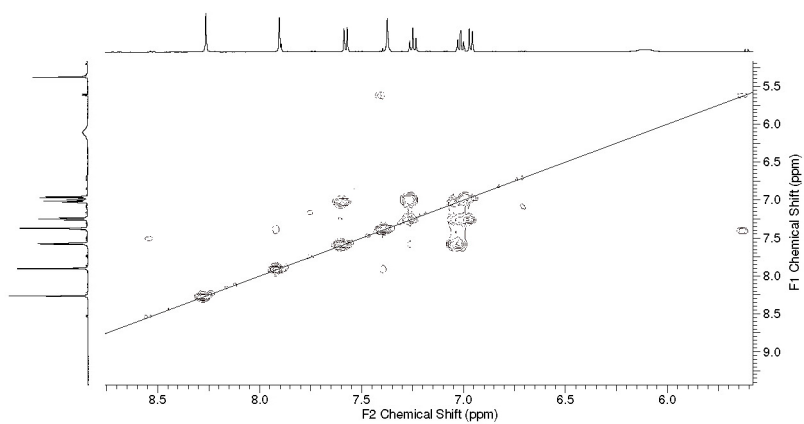


Figure 3S. COSY spectrum from the compound 1

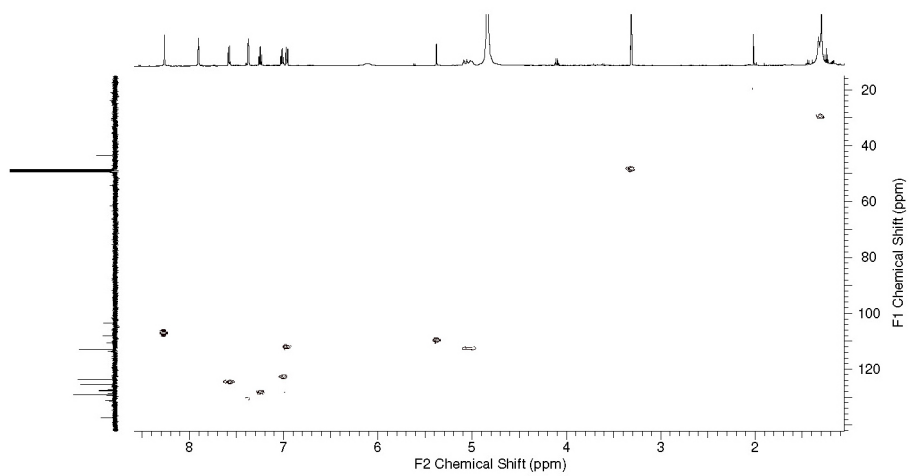


Figure 4S. HSQC spectrum from the compound 1

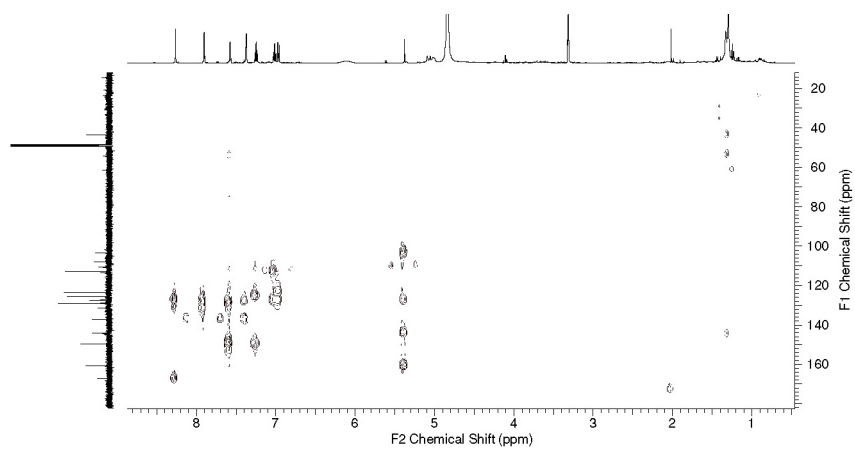


Figure 5S. HMBC spectrum from the compound 1

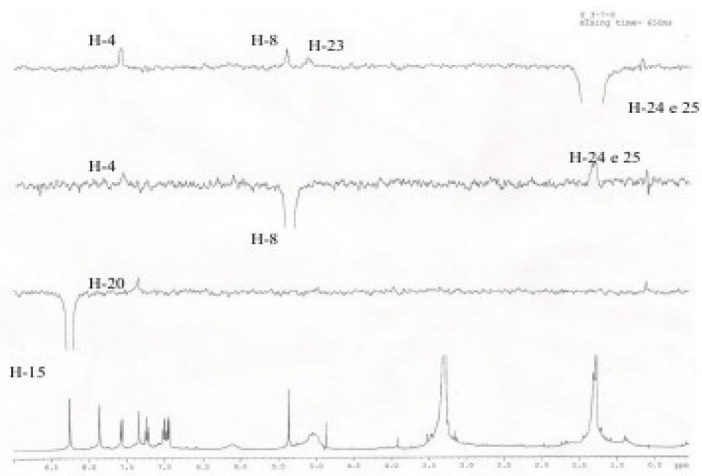


Figure 6S. NOE spectrum from the compound 1

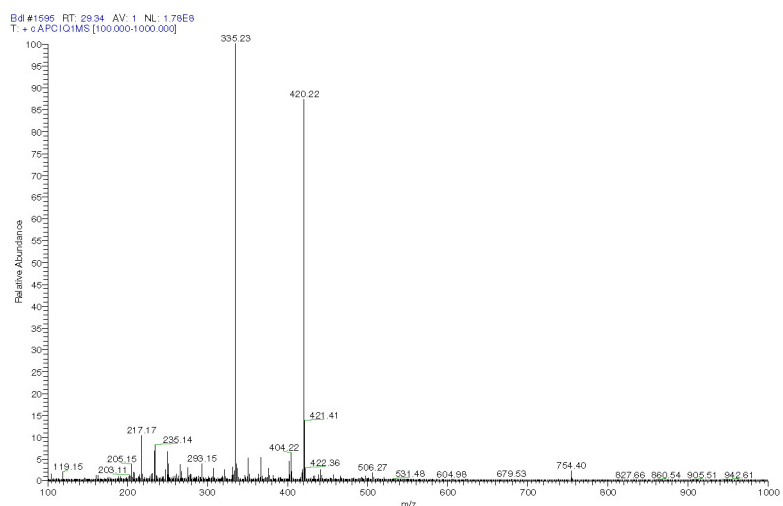


Figure 7S. MS fullscan spectrum from the compound 1

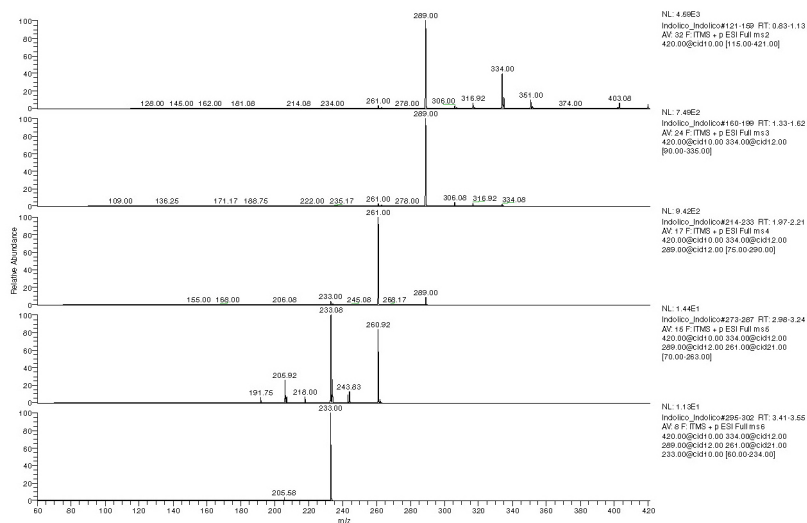


Figure 8S. Product ions spectra from the parental ion at m/z 420