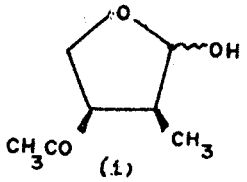
E2-23 : ANTIBIOTICS FROM MICROORGANISMS

L B de Silva, C S Liyanage, D S S Gunawardena, E M K Wijeratne, W H M W Herath, E D de Silva, R C Wijesundara** Div. of Natural Products Chemistry, Medical Research Institute, Colombo, *Dept. of Chemistry, Open University, Nawala and **Dept. of Botany, University of Colombo.*

In our research for new antibiotics, we have investigated a number of microorganisms, isolated from soil samples and various plant products.

Corynespora sp., Poria sp. and *Botryodiplodia sp.* are three fungi which showed antibacterial activity against, *Staphylococcus aureus, Klebsiella aerogenes, Streptococcus viridans* and *Pseudomonas aeruginosa* on Mueller-Hinton agar using the filter paper disc method. The chemical investigation of the ethyl acetate extract of *Botryodiplodia* species, gave botryodiplodin (1), which showed strong antibacterial activity against *Streptococcus viridans*. The compound (C-1) isolated from the mycelium of *Corynospora sp.* showed strong activity against Methicillin resistant *Staphylococcus aureus.*



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