

Secondary metabolite of *aspergillus fumigatus*, endophytic fungi of the medicinal plant *garcinia griffithii*

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Abstrak

The endophytic fungi *Aspergillus fumigatus* was isolated from the tissues of the fruits of *Garcinia griffithii*. The fungal strain was identified from the colony, and it was characteristic of cell morphology. The ethyl acetate extracts derived from fungus cultures showed major spots on TLC under UV light, which was continued to the isolation of the secondary metabolites. The structure of the isolated compound was elucidated on the basis of NMR analyses (¹H-NMR, ¹³C-NMR, HMQC, HMBC and H-H COSY). The compounds were identified as: 4,6-dihydroxy, 3,8a-dimethyl-1-oxo-5-(3-oxobutan-2-yl)-1,4,4a,5,6,8a-hexahydronaphthalen-2-yl-1,2-dimethyl-5-(2-methylprop-1-enyl)cyclopentane-carboxylate.