

P-140**Phytochemical Constituents from the Flower of *Allamanda Catharica* (Apocynaceae)**

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Allamanda catharica L. of the family Apocynaceae is a perennial shrub and known as Yellow Bell or Golden Trumpet as well as “Bunga Loceng” in Malaysia due to big yellow funnel-shaped flowers it has. The plant extracts was reported to have medical uses and potent antibacterial activity against tested pathogenic organisms [1]. Previously, iridoids and iridoid glucosides have been reported from the roots of the plant [2]. In this study, the dried powder of flowers of *A. catharica* L. was extracted successively by using hexane, acetone and methanol. A combination of vacuum liquid chromatography, column chromatography, radial chromatography and preparative thin layer chromatography were used in the isolation and purification process. Three iridoid derivatives; plumieride (**1**), plumieride coumarate (**2**), and allamdin (**3**) were isolated from the acetone extract of the flower of *A. catharica* L. The molecular structures of the isolated compounds were established based on the spectroscopic data and comparison with published data. References: [1] Sowjanya P et. al, (2012) International Journal of Pharma World Research, Vol 3 Issue 2, [2] John J and Coppen W, (1983). Phytochemistry, Vol 22 No 1, pp 179-182.

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