

This is the abstract of the published paper Sivasothy, Y., Hadi, A.A., Mohamad, K., Hoong, L. K., Ibrahim, H., Sulaiman, S. F., Ooi, K. L., Awang, K. (2012) Spectaflavoside A, a new potent iron chelating dimeric flavonol glycoside from the rhizomes of *Zingiber spectabile* Griff. *Bioorganic & Medicinal Chemistry Letters*. **22(11)**:3831-3836. The full version of the paper is available at the publisher's website through this link:

<http://www.sciencedirect.com/science/article/pii/S0960894X12002569>

## Abstract

A study on the leaves of *Aglaia exima* led to the isolation of one new and seven known compounds: six triterpenoids and two steroids. Their structures were elucidated and analyzed mainly by using spectroscopic methods; 1D and 2D NMR, mass spectrometry, UV spectrometry and X-ray. All the triterpenoids and steroids were measured *in vitro* for their cytotoxic activities against eight cancer cell lines; lung (A549), prostate (DU-145), skin (SK-MEL-5), pancreatic (BxPC-3), liver (Hep G2), colon (HT-29), breast (MCF-7) and (MDA-MB-231). The new cycloartane triterpenoid, 24(*E*)-cycloart-24-ene-26-ol-3-one **1**, showed potent cytotoxic activity against colon (HT-29) cancer cell line (IC<sub>50</sub> 11.5 μM).