

Title : Chemical constituents from the stems of *Garcinia Santisukiana*.

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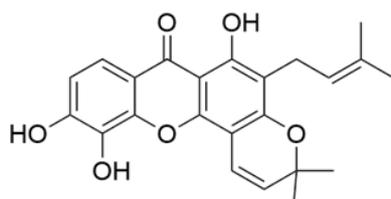
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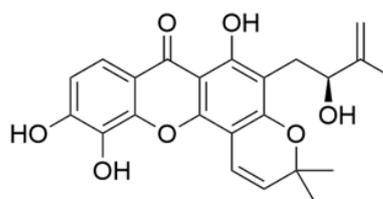
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ABSTRACT

Garcinia is the largest genus in the Clusiaceae. It possesses a variety of biological activities such as antibacterial, antioxidant, anti-inflammatory, and anticancer activities. These plants have been used in traditional medicine and may have potential for drug development, particularly for treating diseases such as diabetes and malaria. This research study of the chemical constituents of the methanol crude extract from the stems of *G. santisukiana*, a newly discovered plant species that has not been previously studied, using chromatography techniques. Two known xanthone, 1,5,6-trihydroxy-2-prenyl-6',6'-dimethyl-2H-pyrano(2',3':3,4)xanthone and merguensinone were isolated. Their structures were identified by 1D and 2D NMR techniques.



1,5,6-trihydroxy-2-prenyl-6',6'-dimethyl-
2H-pyrano(2',3':3,4)xanthone



merguensinone

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