

**CHEMICAL CONSTITUENT FROM ROOTS OF MORINDA  
CITRIFOLIA USING POLAR SOLVENT (CHLOROFORM)**

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## ABSTRACT

### **CHEMICAL CONSTITUENTS FROM ROOTS OF MORINDA CITRIFOLIA BY USING POLAR SOLVENT (CHLOROFORM)**

Experiment was conducted on root of *Morinda citrifolia* which belongs to the family Rubiaceae found throughout in the tropical region of the entire world. This genus of species contain varies of medical benefit such as anti-cancer, antimicrobial and anti-inflammatory. The objectives set up for this *M. citrifolia* is to extract and isolate compounds from the roots of *M. citrifolia* by using chloroform, meanwhile for the second one is to identify and elucidate the structure of the compounds by using spectroscopic methods. Works on the chloroform extract of the roots of *M. citrifolia* through a series of column chromatography have resulted on isolation of two anthraquinone namely as nordamnacanthal and rubiadin. All of these structures were established by spectroscopic analysis which included 1D NMR, MS techniques and comparing with previous data.

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