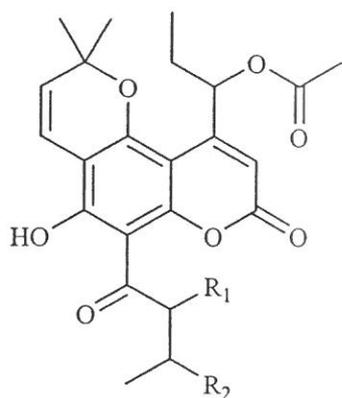


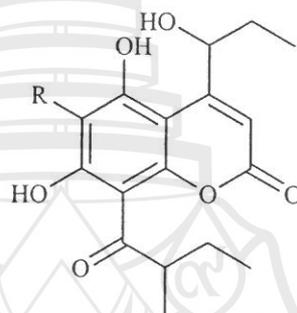
## ABSTRACT

The investigation of dichloromethane extract of the seeds of *Mammea siamensis* led to the isolation and identification of five new phenolic compounds (MS-1-5). Two of them are new compounds, mammea E/BB cyclo D (MS-1) and siamensone A (MS-5). All isolates were characterized using 1D and 2D NMR spectral data. In addition, all compounds were evaluated for cytotoxic activity against breast adenocarcinoma (MCF-7), human cervical cancer (HeLa), colon cancer (HT-29) and human oral cancer (KB). In this study, only two compounds (MS-3 and 4) were found to be active with  $IC_{50}$  value ranging from 0.78-4.64  $\mu\text{g/mL}$ .

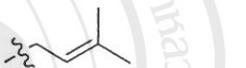


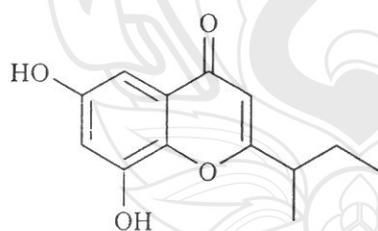
MS-1:  $R_1 = \text{CH}_3$ ;  $R_2 = \text{H}$

MS-2:  $R_1 = \text{H}$ ;  $R_2 = \text{CH}_3$



MS-3:  $R =$  

MS-4:  $R =$  



MS-5