

New anti-bacterial halogenated tricyclic sesquiterpenes from Bornean *Laurencia majuscula* (Harvey) Lucas

ABSTRACT

Three new halogenated tricyclic sesquiterpenes, omphalaurediol (**1**), rhodolaurenones B (**2**) and C (**3**) were isolated together with nine known halogenated sesquiterpenes such as rhodolaurenone A (**4**), rhodolaureol (**5**), isorhodolaureol (**6**), (–)-laurencenone D (**7**), elatol (**8**), (+)-deschloroelatol (**9**), cartilagineol (**10**), (+)-laurencenone B (**11**) and 2-chloro-3-hydroxy- α -chamigren-9-one (**12**) from a population of Bornean red algae *Laurencia majuscula*. The structures of three new metabolites were determined based on their spectroscopic data (IR, 1D and 2D NMR, and MS). These compounds showed antibacterial activity against three human pathogenic bacteria (*Escherichia coli*, *Salmonella typhi* and *Vibrio cholera*).