



Contents lists available at ScienceDirect

## Biochemical Systematics and Ecology

journal homepage: [www.elsevier.com/locate/biochemsyseco](http://www.elsevier.com/locate/biochemsyseco)



# 3 $\beta$ , 7 $\beta$ -Dihydroxy-5 $\alpha$ -cholestane-11-one: A new oxidation pattern of cholestane skeleton from *Laurencia papillosa*

Sultan S. Al-lihaibi<sup>a</sup>, Seif-Eldin N. Ayyad<sup>b</sup>, Essam Al-wessaby<sup>a</sup>, Waled M. Alarif<sup>a,\*</sup>

<sup>a</sup> Department of Marine Chemistry, Faculty of Marine Sciences, King Abdulaziz University, PO. Box 80207, Jeddah 21589, Saudi Arabia

<sup>b</sup> Department of Chemistry, Faculty of Science, King Abdulaziz University, PO. Box 80207, Jeddah 21589, Saudi Arabia

---

### ARTICLE INFO

---

*Article history:*

Received 27 May 2010

Accepted 8 August 2010

---

*Keywords:*

3 $\beta$ , 7 $\beta$ -Dihydroxy-5 $\alpha$ -cholestane-11-one

*Laurencia papillosa*

Red Sea

---

### 1. Subject and source

The red alga *Laurencia papillosa* was collected in June 2008, off the Saudi Arabia Red Sea Coast at Jeddah. Voucher sample (JAD 03050) is deposited at the Marine Chemistry Department, King Abdulaziz University, Jeddah, Saudi Arabia.