

Web of Science

Search

Search Results

My Tools

Search History

Marked List

 Look Up Full Text


Save to EndNote online

Add to Marked List

2 of 2

alpha-Glucosidase and 15-Lipoxygenase Inhibitory Activities of Phytochemicals from Calophyllum symingtonianum

By: **Aminudin, NI** (Aminudin, Nurul Iman)^[1]; **Ahmad, F** (Ahmad, Farediah)^[1]; **Taher, M** (Taher, Muhammad)^[2]; **Zulkifli, RM** (Zulkifli, Razauden Mohamed)^[3]

[View ResearcherID and ORCID](#)

NATURAL PRODUCT COMMUNICATIONS

Volume: 10 Issue: 9 Pages: 1585-1587

Published: SEP 2015

[View Journal Impact](#)

Abstract

A phytochemical investigation of the crude extracts of the bark and leaves of Calophyllum symingtonianum has resulted in the isolation of inophyllum D, inophyllum H, calanone, isocordato-oblongic acid, amentoflavone, carpachromene and lupenone. Their chemical structures were elucidated and confirmed by spectroscopic analysis. All flavonoids and coumarins showed significant alpha-glucosidase inhibitory activity, while amentoflavone gave a positive result against 15-lipoxygenase inhibition.

Keywords

Author Keywords: alpha-Glucosidase; 15-Lipoxygenase; Calophyllum symingtonianum; Flavonoids; Coumarins

KeyWords Plus: LEAVES; TRITERPENES; XANTHONES; COUMARINS; CONSTITUENTS; FLAVONOIDS; INOPHYLLUM

Author Information

Reprint Address: Ahmad, F (reprint author)

+ Univ Teknol Malaysia, Fac Sci, Dept Chem, Skudai Johor 81310, Malaysia.

Addresses:

+ [1] Univ Teknol Malaysia, Fac Sci, Dept Chem, Skudai Johor 81310, Malaysia

[2] Int Islamic Univ Malaysia, Kulliyah Pharm, Kuantan 25200, Pahang, Malaysia

+ [3] Univ Teknol Malaysia, Fac Biosci & Med Engr, Dept Biosci & Hlth Sci, Skudai Johor 81310, Malaysia

E-mail Addresses: farediah@kimia.fs.utm.my

Funding

Funding Agency	Grant Number
Ministry of Higher Education Malaysia	GUP2526.06H34

[View funding text](#)

Publisher

NATURAL PRODUCTS INC, 7963 ANDERSON PARK LN, WESTERVILLE, OH 43081 USA

Categories / Classification

Citation Network

2 Times Cited

26 Cited References

[View Related Records](#)



Create Citation Alert

(data from Web of Science Core Collection)

All Times Cited Counts

3 in All Databases

2 in Web of Science Core Collection

2 in BIOSIS Citation Index

0 in Chinese Science Citation Database

0 in Data Citation Index

0 in Russian Science Citation Index

0 in SciELO Citation Index

Usage Count

Last 180 Days: 0

Since 2013: 2

[Learn more](#)

Most Recent Citation

Yu, Sheng. [A Review on the Phytochemistry, Pharmacology, and Pharmacokinetics of Amentoflavone, a Naturally-Occurring Biflavonoid](#). MOLECULES, FEB 2017.

[View All](#)

This record is from:

Web of Science Core Collection
- Science Citation Index Expanded

Suggest a correction

If you would like to improve the quality of the data in this record, please [suggest a correction](#).

Research Areas: Pharmacology & Pharmacy; Food Science & Technology
Web of Science Categories: Chemistry, Medicinal; Food Science & Technology

Document Information

Document Type: Article
Language: English
Accession Number: WOS:000361868900025
PubMed ID: 26594765
ISSN: 1934-578X
eISSN: 1555-9475

Journal Information

Impact Factor: [Journal Citation Reports](#)

Other Information

IDS Number: CS1ZZ
Cited References in Web of Science Core Collection: **26**
Times Cited in Web of Science Core Collection: **2**

