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

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NATURAL PRODUCT COMMUNICATIONS
Volume: 10 Issue: 9 Pages: 1585-1587
Published: SEP 2015

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, isocordatoo-oblungic 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

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Funding

<table>
<thead>
<tr>
<th>Funding Agency</th>
<th>Grant Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ministry of Higher Education Malaysia</td>
<td>GUP2526.06H34</td>
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