A NEW IRIDOID GLUCOSIDE FROM ANISACANTHUS VIRGULARIS AND ITS ANTIAMOEIC ACTIVITY

Mohamed S. Refaey,1* Reda A. Abdelhameed,2 Mohamed A. A. Orabi,2 Ahmed A. Ali,3 Reda Fouad Ahmed Abdelhameed,4 Eman A. A. Mousa,5 Shinjiro Hamano,6 and Koji Yamada7

1 Department of Pharmacognosy, Faculty of Pharmacy, University of Sadat City, Menofia 32897, Egypt, 2 Department of Pharmacognosy, Faculty of Pharmacy, Al-Azhar University, Assiut Branch, Assiut 71524, Egypt, 3 Department of Pharmacognosy, Faculty of Pharmacy, Assiut University, Assiut 71526, Egypt, 4 Department of Pharmacognosy, Faculty of Pharmacy, Suez Canal University, Ismailia 41522, Egypt, 5 Department of Medical Parasitology, Faculty of medicine, South Valley University, Qena, Egypt, 6 Department of Parasitology, Institute of Tropical Medicine, Nagasaki University, Sakamoto,1-12-4, Nagasaki 852-8523, Japan, 7 Graduate School of Biomedical Sciences, Nagasaki University, Bunkyo- machi 1-14, Nagasaki 852-8521, Japan; E-mail: mohamed.said@fop.usc.edu.eg
## Contents of Supporting Information

<table>
<thead>
<tr>
<th>No.</th>
<th>Contents</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Figure S1-S7</td>
<td>$^{13}$C, $^1$H-NMR, HH-COSY, HSQC, HMBC, NOESY and mass spectra of 7-O-p-trans coumaroyl caryoptoside (1)</td>
<td>3-6</td>
</tr>
</tbody>
</table>
Figure S1: $^{13}$C-NMR spectrum of 7-O-p-trans coumaroyl caryoptoside (I)

Figure S2: $^1$H-NMR spectrum of 7-O-p-trans coumaroyl caryoptoside (I)
Figure S3: HH COSY spectrum of 7-O-p-trans coumaroyl caryoptoside (1)

Figure S4: HSQC spectrum of 7-O-p-trans coumaroyl caryoptoside (1)
Figure S5: HMBC spectrum of 7-O-p-trans coumaroyl caryoptoside (1)

Figure S6: NOESY spectrum of 7-O-p-trans coumaroyl caryoptoside (1)
Figure S7: FAB and HR-FAB-MS spectrum of 7-O-p-trans coumaroyl caryoptoside (1)