SUPPLEMENTARY MATERAIL

Dalvelutinoside, a new isoflavone glycoside from the methanol extract of *Dalbergia velutina* roots

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Abstract

A new isoflavone glycoside, dalvelutinoside (**1**), together with one known isoflavone (**2**) and five known isoflavone glycosides (**3-7**) were isolated from the methanol extract of the roots of *Dalbergia velutina*. Their structures were determined by spectroscopic analysis. All isolated compounds were evaluated for their cytotoxicity against KB and HeLa cell lines.

Keywords: Dalvelutinoside; *Dalbergia velutina*; Isoflavone glycoside; Cytotoxicity

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Content

Figure S1. ¹ H NMR spectrum of 1 in DMSO- <i>d</i> ₆	2
Figure S2. ¹³ C NMR spectrum of 1 in DMSO- <i>d</i> ₆	2
Figure S3. COSY NMR spectrum of 1 in DMSO- <i>d</i> ₆	3
Figure S4. HSQC NMR spectrum of 1 in DMSO- <i>d</i> ₆	3
Figure S5. HMBC NMR spectrum of 1 in DMSO- <i>d</i> ₆	4
Figure S6. Key HMBC correlations of compound 1	4
Figure S7. Mass spectrum of 1	5

Figure S1. ¹H NMR spectrum of **1** in DMSO-*d*₆

Figure S2. ¹³C NMR spectrum of **1** in DMSO-*d*₆

Figure S3. COSY NMR spectrum of **1** in DMSO- d_6

Figure S4. HSQC NMR spectrum of **1** in DMSO- d_6

Figure S5. HMBC NMR spectrum of **1** in DMSO- d_6

Figure S6. Key HMBC correlations of compound **1**

Mass Spectrum List Report

Analysis Info

Analysis Name OSCUBS5804220054.d
Method Tune_wide_POS_Natee20130403.m
Sample Name DM3.3.0
DM3.3.0

Acquisition Date 4/24/2015 1:56:39 PM
Operator Administrator
Instrument micrOTOF 72

Acquisition Parameter

Source Type ESI Ion Polarity Positive
Scan Range n/a Capillary Exit 200.0 V
Scan Begin 50 m/z Hexapole RF 400.0 V
Scan End 3000 m/z Skimmer 1 45.0 V
Hexapole 1 24.3 V

Set Corrector Fill 79 V
Set Pulsar Pull 406 V
Set Pulsar Push 388 V
Set Reflector 1300 V
Set Flight Tube 9000 V
Set Detector TOF 1910 V

#	m/z	I	I %	S/N	FWHM	Res.
1	56.1414	123	2.4	31.5	0.0051	10917
2	58.6069	115	2.2	29.4	0.0054	10938

Figure S7. Mass spectrum of **1**