## **Supporting Information**

## Rec. Nat. Prod. 11:3 (2017) 290-298

## Two New Flavonoids and Other Phytochemicals from Endemic Phryna ortegioides (Fish. & C.A.Mey.) Pax & K. Hoffm and Their Antioxidant Potentials

## Ibrahim Halil Gecibesler<sup>1</sup>\* Ibrahim Demirtas<sup>2</sup>, Lutfi Behcet<sup>3</sup> and Ali Riza Tufekci<sup>2</sup>

<sup>1</sup>Laboratory of Natural Product Research, Faculty of Health Sciences, 12000, Bingol University, Bingol, Türkiye

<sup>2</sup>Department of Chemistry, Faculty of Science, Cankiri Karatekin University, 18000, Cankiri, Türkiye

<sup>3</sup>Department of Biology, Faculty of Science and Art, Bingol University, 12000, Bingol, Türkiye

Table of Contents	Page
<b>S1:</b> <sup>1</sup> H NMR spectra of compound <b>1</b>	3
<b>S2:</b> <sup>13</sup> C NMR spectra of compound <b>1</b>	4
<b>S3:</b> <sup>13</sup> C DEPT NMR spectra of compound <b>1</b>	5
S4: gHMBC NMR spectra of compound 1	6
S5: gHSQC NMR spectra of compound 1	7
S6: gCOSY NMR spectra of compound 1	8
S7: FT-IR spectra of compound 1	9
<b>S8:</b> HRESIMS chromatogram of compound <b>1</b>	10
<b>S9:</b> UV-VIS spectra of compound <b>1</b>	11
<b>S10:</b> <sup>1</sup> H NMR spectra of compound <b>2</b>	12

<b>S11:</b> <sup>13</sup> C NMR spectra of compound <b>2</b>	13
<b>S12:</b> <sup>13</sup> C DEPT NMR spectra of compound <b>2</b>	14
<b>S13:</b> gHMBC NMR spectra of compound <b>2</b>	15
<b>S14:</b> gHSQC NMR spectra of compound <b>2</b>	16
S15: gCOSY NMR spectra of compound 2	17
<b>S16:</b> NOESY NMR spectra of compound <b>2</b>	18
<b>S17:</b> ROESY NMR spectra of compound <b>2</b>	19
<b>S18:</b> ROESY NMR spectra of compound <b>2</b>	20
<b>S19:</b> ROESY NMR spectra of compound <b>2</b>	21
<b>S20:</b> TOCSY NMR spectra of compound <b>2</b>	22
<b>S21:</b> 3D chemical structure with minimum energy of compound <b>2</b>	23
S22: FT-IR spectra of compound 2	24
S23: HRESIMS chromatogram of compound 2	25
S24: UV-VIS spectra of compound 2	26
<b>S25:</b> <sup>1</sup> H NMR spectra of compound <b>3</b>	27
<b>S26:</b> <sup>13</sup> C NMR spectra of compound <b>3</b>	28
S27: <sup>1</sup> H NMR spectra of compound 4	29
S28: <sup>13</sup> C NMR spectra of compound 4	30
<b>S29:</b> <sup>1</sup> H NMR spectra of compound <b>5</b>	31
<b>S30:</b> <sup>13</sup> C NMR spectra of compound <b>5</b>	32
<b>S31:</b> <sup>1</sup> H NMR spectra of compound <b>6</b>	33
<b>S32:</b> <sup>13</sup> C NMR spectra of compound <b>6</b>	34
S33: <sup>1</sup> H NMR spectra of compound 7	35
<b>S34:</b> <sup>13</sup> C NMR spectra of compound <b>7</b>	36
<b>S35:</b> <sup>1</sup> H NMR spectra of compound <b>8</b>	37
<b>S36:</b> <sup>13</sup> CNMR spectra of compound <b>8</b>	38



**S1:** <sup>1</sup>H NMR spectra of compound **1** 



**S2:** <sup>13</sup>C NMR spectra of compound **1** 



**S3:** <sup>13</sup>C DEPT NMR spectra of compound **1** 





S4: gHMBC NMR spectra of compound 1



**S5:** gHSQC NMR spectra of compound **1** 



S6: gCOSY NMR spectra of compound 1



**S7:** FT-IR spectra of compound **1** 



**S8:** HRESIMS chromatogram of compound **1** 



**S9:** UV-VIS spectra of compound **1** 







**S11:** <sup>13</sup>C NMR spectra of compound **2** 









S13: gHMBC NMR spectra of compound 2



S14: gHSQC NMR spectra of compound 2



S15: gCOSY NMR spectra of compound 2



S16: NOESY NMR spectra of compound 2



S17: ROESY NMR spectra of compound 2



S18: ROESY NMR spectra of compound 2



S19: ROESY NMR spectra of compound 2



S20: TOCSY NMR spectra of compound 2



S21: 3D chemical structure with minimum energy of compound  ${\bf 2}$ 



S22: FT-IR spectra of compound 2



**S23:** HRESIMS chromatogram of compound **2** 



S24: UV-VIS spectra of compound 2



**S25:** <sup>1</sup>H NMR spectra of compound **3** 



**S26:** <sup>13</sup>C NMR spectra of compound **3** 



**S27:** <sup>1</sup>H NMR spectra of compound **4** 



**S28:** <sup>13</sup>C NMR spectra of compound **4** 



**S29:** <sup>1</sup>H NMR spectra of compound **5** 



**S30**: <sup>13</sup>C NMR spectra of compound **5** 



**S31**: <sup>1</sup>H NMR spectra of compound **6** 







**S33**: <sup>1</sup>H NMR spectra of compound **7** 



**S34**: <sup>13</sup>C NMR spectra of compound **7** 



**S35**: <sup>1</sup>H NMR spectra of compound **8** 



**S36**. <sup>13</sup>C NMR spectra of compound **8**