**Supplementary Data**

**Erysacleuxins C and D, new isoflavones from the twigs of *Erythrina sacleuxii* Hua and their cytotoxic activity**

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**Abstract**

Two previously undescribed isoflavones, erysacleuxin C (**1**) and erysacleuxinD (**2**), together with seven known compounds (**3**-**9**), were isolated and identified from the EtOAc extract of the twigs of *Erythrina sacleuxii* Hua (Leguminosae). The structures of the isolated compounds were determined on the basis of their spectroscopic and spectrometric data. Evaluation of their cytotoxicity against the human cancer HeLa-S3 cell lines indicated IC50 values of 130.4, 54.9 and 73.9 µM for erysacleuxinC(**1**), erysacleuxinD(**2**) and butin (**9**), respectively.

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S2: 13C NMR spectrum of compound 1

S3: COSY spectrum of compound 1

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S7: UV-Vis spectrum of compound 1

S8: IR spectrum of compound 1

S9: 1H NMR spectrum of compound 2

S10: 13C NMR spectrum of compound 2

S11: COSY spectrum of compound 2

S12: HSQC spectrum of compound 2

S13 HMBC spectrum of compound 2

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Scheme S17: Proposed biosynthetic pathway of compounds 1, 2 and 7 from compound 5



S1: 1H NMR spectrum of compound 1



S2: 13C NMR spectrum of compound 1



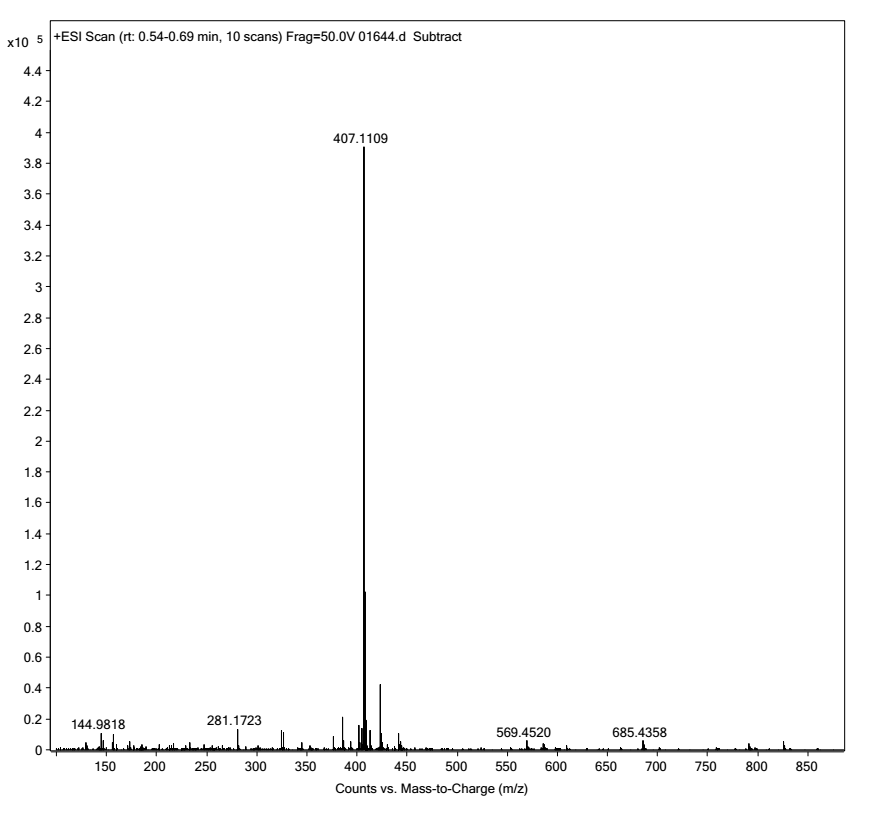
S3: COSY spectrum of compound 1



S4: HSQC spectrum of compound 1

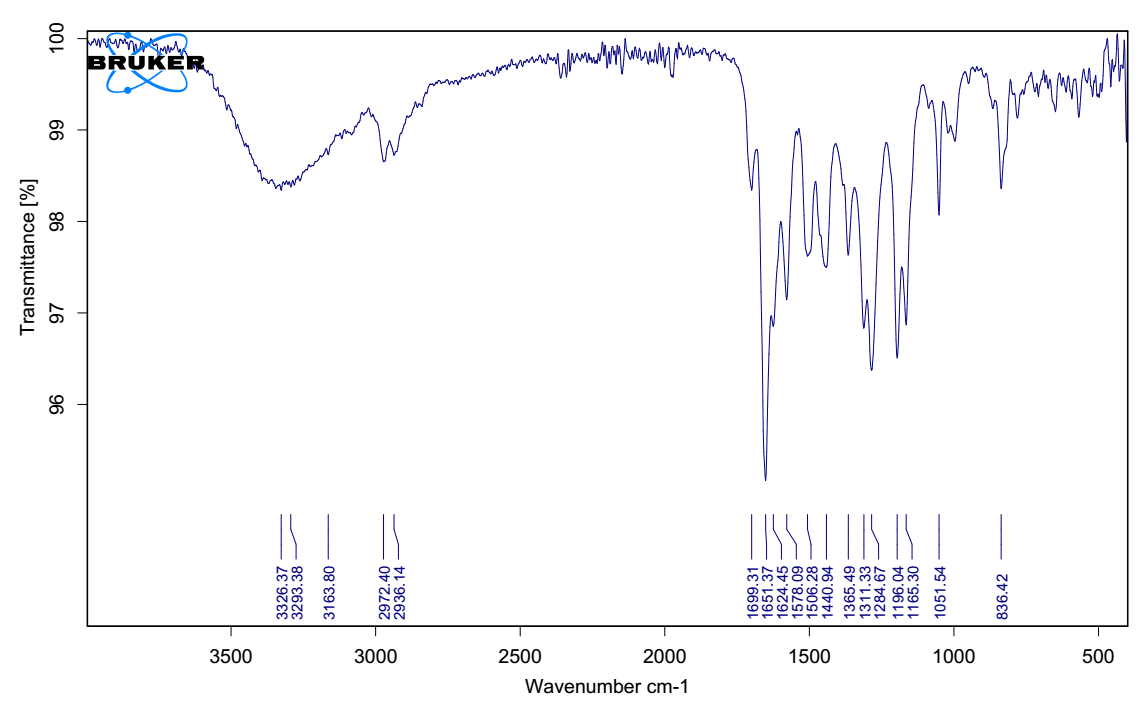


S5: HMBC spectrum of compound 1



S6: HRESIMS spectrum of compound 1

S7: UV-Vis spectrum of compound 1



S8: IR spectrum of compound 1



S9: 1H NMR spectrum of compound 2



S10: 13C NMR spectrum of compound 2



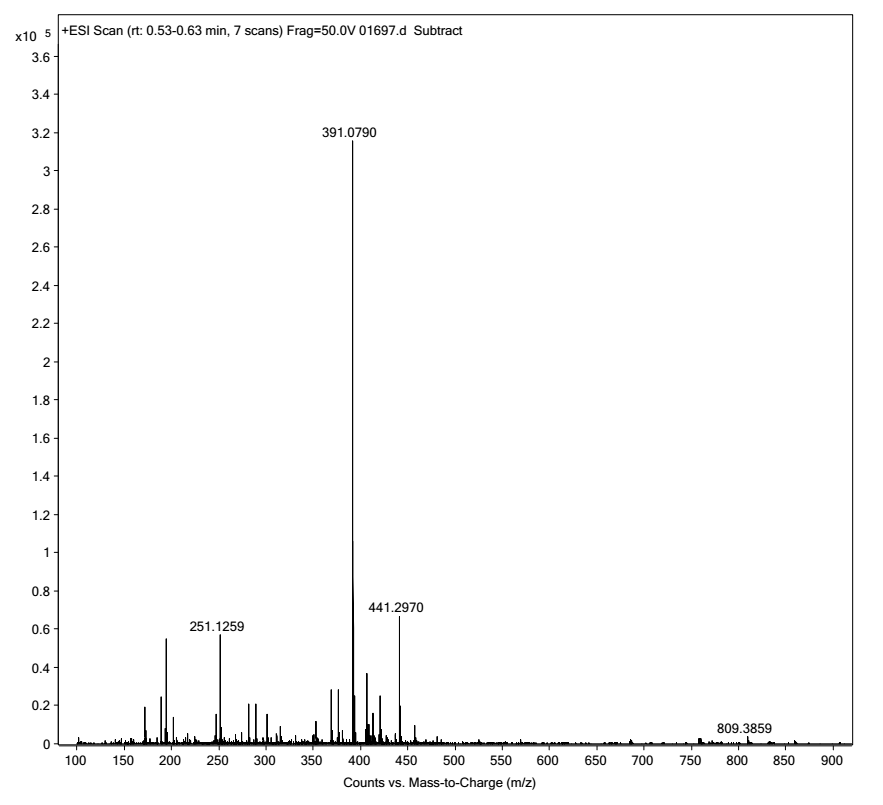
S11: COSY spectrum of compound 2



S12: HSQC spectrum of compound 2

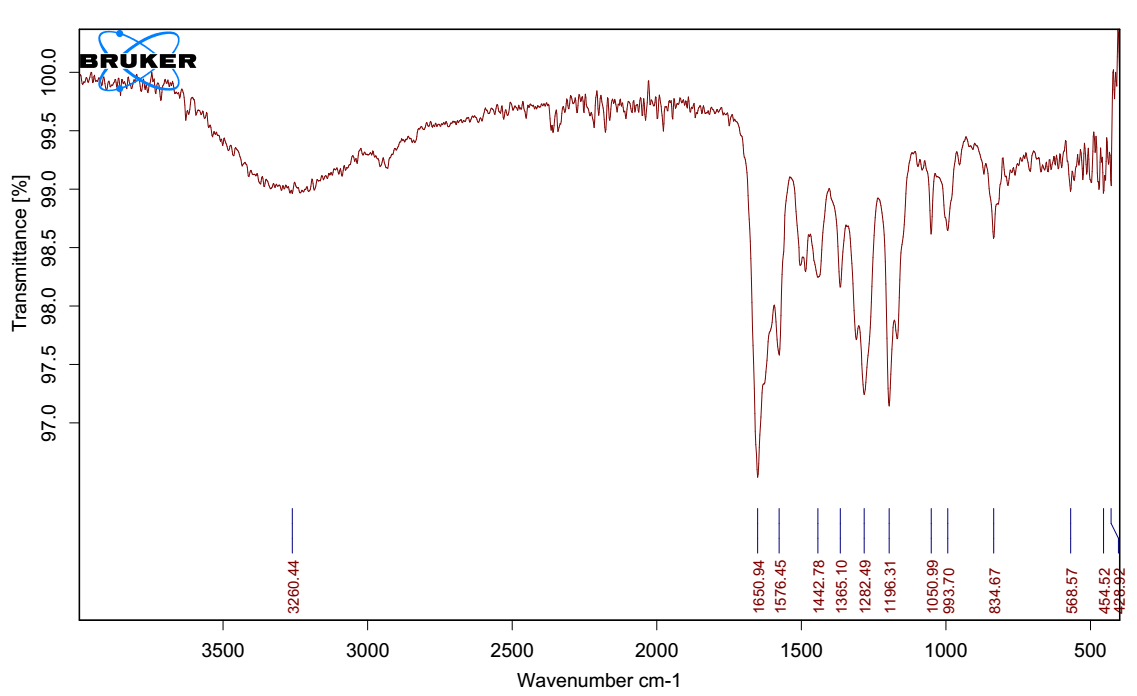


S13: HMBC spectrum of compound 2



S14: HRESIMS spectrum of compound 2

S15: UV-Vis spectrum of compound 2



S16: IR spectrum of compound 2



Scheme S17: Proposed biosynthetic pathway of compounds 1, 2 and 7 from compound 5