**Epimedokoreanin C, a prenylated flavonoid isolated from *Epimedium koreanum,* induces non-apoptotic cell death with the characteristics of methuosis in lung cancer cells**

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**Figure S1.** A schematic procedure for the isolation of 27 prenylated flavonoids from *E. koreanum*.

**Table S1.** Prenylated flavonoids from *E. koreanum* and their IC50 values.

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Name** | **Structure** | **IC50 (μM)** |
| **1** | Epimedokoreanin C  (EKC) |  | 17.04 |
| **2** | Epicornunin A |  | ＞50 |
| **3** | Epicornunin B |  | 44.80 |
| **4** | Epicornunin F |  | ＞50 |
| **5** | Epimedokoreanin B |  | 13.69 |
| **6** | Koreanoside F |  | ＞50 |
| **7** | Epimedokoreanin D |  | 23.53 |
| **8** | Icaritin |  | 33.96 |
| **9** | *β*-anhydroicaritin |  | 10.08 |
| **10** | Epimedonin C |  | >50 |
| **11** | 5,7-dihydroxy-2-(*p*-hydroxyphenoxy)-6-prenyl  chromone |  | 25.03 |
| **12** | Epimedonin B |  | 15.90 |
| **13** | Icariside Ι |  | 40.11 |
| **14** | Baohuoside Ι |  | 17.17 |
| **15** | Koreanoside D |  | ＞50 |
| **16** | Koreanoside E |  | ＞50 |
| **17** | Icarrin |  | ＞50 |
| **18** | Epimedoside C |  | >50 |
| **19** | Icaritin-3-O-rhamnoside |  | ＞50 |
| **20** | Caohuoside C |  | ＞50 |
| **21** | Ikarisoside A |  | 35.32 |
| **22** | Korepimeoside A |  | 35.15 |
| **23** | Korepimeoside B |  | 26.55 |
| **24** | Korepimedoside A |  | 30.65 |
| **25** | Sagittatoside C |  | >50 |
| **26** | Epimedokoreanoside Ⅲ |  | >50 |
| **27** | Epimedokoreanoside Ι |  | >50 |

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**Figure S2.** EKC induced vacuoles in four cancer tumor cells.

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**Figure S3.** Effects of EKC and four closely related compounds in NCI-H292 cells.

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**Figure S4.** NCI-H292 cells were cultured with the EKC for 7.5 h to produce vacuoles, and Baf A1 was added to continue co-culture for 26 h.