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**Proanthocyanidins from Whole Spenceria ramalana Plants and Their Effects on AGE Formation in Vitro and Vessel Dilation in Larval Zebrafish in Vivo**

IS Lee [**1**](https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0033-1348760#PN79_1), SY Yu [**1**](https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0033-1348760#PN79_1), SH Jung [**1**](https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0033-1348760#PN79_1), YM Lee [**1**](https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0033-1348760#PN79_1), YR Lee [**1**](https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0033-1348760#PN79_1), JH Kim [**2**](https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0033-1348760#PN79_2), H Sun [**3**](https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0033-1348760#PN79_3) JS Kim [**1**](https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0033-1348760#PN79_1)\*

* **1**KM-Based Herbal Drug Research Group, Herbal Medicine Research Division, Korea Institute of Oriental Medicine, Daejeon 305 – 811, Korea
* **2**Department of Life Science, Gachon University, Seongnam, Gyeonggi-do 461 – 701, Korea
* **3**Laboratory of Biodiversity and Biogeography, Kunming Institute of Botany, Chinese Academy of Sciences, Kunming, Yunnan 650204, China
* [Congress Abstract](https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-0033-1348760#abstract)

Three new A-type proanthocyanidins (1 – 3), *ent*-epiafzelechin-(2α→*O*→7, 4α→8)-*ent*-afzelechin 3'-*O*-β-D-glycopyranoside (1), *ent*-epiafzelechin-(2α→*O*→7, 4α→8)-*ent*-epiafzelechin-(2α→*O*→7, 4α→8)-*ent*-afzelechin (2), and *ent*-epiafzelechin-(2α→*O*→7, 4α→8)-*ent*-epicatechin-(2α→*O*→7, 4α→8)-*ent*-afzelechin (3), were isolated from the whole plant of *Spenceria* *ramalana*, together with three known compounds (4 – 6). The inhibitory effects of isolated compounds (1 – 6) on the formation of AGE were examined *in vitro*; compounds 3 and 6 showed the strongest inhibition, with IC50 values of 17.4 ± 0.9 and 14.1 ± 2.8 µM, respectively. The effects of these isolates on the dilation of hyaloid-retinal vessels induced by high glucose (HG) in larval zebrafish were also investigated. Compound 3 reduced the dilation of HG-induced hyaloid-retinal vessels most effectively.