**Appendix S2.** Organ-specific isoscutellarein 8-G peak areas collected from 7 *Scutellaria* species via High Performance Liquid Chromatography (HPLC). Data is presented as mean ± standard error, as calculated from samples taken in biological triplicate.

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| Species | Organ | Isoscutellarein 8-G |
| *S. altissima* | Leaves | 0.00 ± 0.00 |
| *S. altissima* | Stems | 0.26 ± 0.01 |
| *S. altissima* | Roots | 0.00 ± 0.00 |
| *S. baicalensis* | Leaves | 0.10 ± 0.05 |
| *S. baicalensis* | Stems | 2.17 ± 0.60 |
| *S. baicalensis* | Roots | 0.00 ± 0.00 |
| *S. barbata* | Leaves | 0.00 ± 0.00 |
| *S. barbata* | Stems | 3.89 ± 0.60 |
| *S. barbata* | Roots | 0.00 ± 0.00 |
| *S. leonardii* | Leaves | 0.00 ± 0.00 |
| *S. leonardii* | Stems | 0.00 ± 0.00 |
| *S. leonardii* | Roots | 0.00 ± 0.00 |
| *S. racemosa* | Leaves | 0.00 ± 0.00 |
| *S. racemosa* | Stems | 0.00 ± 0.00 |
| *S. racemosa* | Roots | 0.00 ± 0.00 |
| *S. tournefortii* | Leaves | 0.18 ± 0.03 |
| *S. tournefortii* | Stems | 0.90 ± 0.24 |
| *S. tournefortii* | Roots | 0.00 ± 0.00 |
| *S. wrightii* | Leaves | 0.00 ± 0.00 |
| *S. wrightii* | Stems | 0.00 ± 0.00 |
| *S. wrightii* | Roots | 0.00 ± 0.00 |