Molecular Basis Underlying Hepatobiliary and Renal Excretion of Phenolic Acids of *Salvia miltiorrhiza* Roots (Danshen)

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*Frontiers in Pharmacology* (DOI: 10.3389/fphar.2022.911982)

**Supplementary TABLE S1** | Danshen phenolic acids and protocatechuic aldehyde present in Danshen-containing injections approved by Chinese NMPA for medicinal use.

| Danshen-containing injection | Protocatechuic aldehyde | Protocatechuic acid | Tanshinol | Rosmarinic acid | Salvianolic acid D | Salvianolic acid A | lithospermic acid | Salvianolic acid B |
|-----------------------------|--------------------------|---------------------|-----------|-----------------|--------------------|--------------------|-------------------|-------------------|
| Danshen injection           | 52.2                     | 0.6                 | 127.5     | 13.9            | 3.8                | 5.5                | 2.3               | 8.8               |
| Freeze-dried Danshen        | 49.4                     | 0.8                 | 237.9     | 20.3            | 14.5               | 22.1               | 3.9               | 3.0               |
| Freeze-dried Salvianolic acid | 0.4                    | 0.01                | 2.0       | 31.2            | 0.5                | 0.8                | 3.1               | 234.8             |
| DanHong injection           | 161.4                    | 4.3                 | 679.0     | 72.9            | 53.6               | 84.8               | 10.2              | 111.9             |
| GuanXinNing injection       | 144.2                    | 3.9                 | 417.6     | 55.0            | 34.3               | 19.5               | 17.2              | 65.4              |
| XiangDan injection          | 78.3                     | 1.5                 | 160.5     | 22.9            | 7.4                | 3.4                | 2.9               | 8.3               |
| ShenKang injection          | 12.3                     | 0.5                 | 61.1      | 4.8             | 6.8                | 2.2                | 0.8               | 3.0               |
| XueBijing injection         | 43.7                     | 2.2                 | 35.8      | 19.1            | 0.9                | 1.2                | 0.9               | 6.8               |
| DanshenChuanQiongQin injection | 6.4                   | 0.04                | 18.3      | 1.4             | 1.6                | 0.9                | 0.2               | 0.3               |

An liquid chromatography/mass spectrometry-based composition analytical assay (Li et al., 2015) was used in analysis of samples of the Danshen-containing injections.

**REFERENCE**

Li, M., Wang, F., Huang, Y., Du, F., Zhong, C., Olaleye, O. E. et al. (2015). Systemic Exposure to and Disposition of Catechols Derived from *Salvia Miltiorrhiza* Roots (Danshen) after Intravenous Dosing Danhong Injection in Human Subjects, Rats, and Dogs. *Drug Metab Dispos* 43, 679-690. doi: 10.1124/dmd.114.061473