

Accepted Manuscript

Title: Identification of naringin metabolites mediated by human intestinal microbes with stable isotope-labeling method and UFLC-Q-TOF-MS/MS

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PII: S0731-7085(18)31459-6
DOI: <https://doi.org/10.1016/j.jpba.2018.08.039>
Reference: PBA 12170

To appear in: *Journal of Pharmaceutical and Biomedical Analysis*

Received date: 20-6-2018
Revised date: 4-8-2018
Accepted date: 18-8-2018

Please cite this article as: Chen T, Su W, Yan Z, Wu H, Zeng X, Peng W, Gan L, Zhang Y, Yao H, Identification of naringin metabolites mediated by human intestinal microbes with stable isotope-labeling method and UFLC-Q-TOF-MS/MS, *Journal of Pharmaceutical and Biomedical Analysis* (2018), <https://doi.org/10.1016/j.jpba.2018.08.039>

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**Identification of naringin metabolites mediated by human intestinal microbes
with stable isotope-labeling method and UFLC-Q-TOF-MS/MS**

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Highlights

- A total of 13 naringin metabolites mediated by human intestinal microbes were identified, among which 5 were reported for the first time.
- Naringin underwent extensive phase I metabolism in human intestinal microbes.
- Microbial metabolic profiles of naringin among different human individuals were diverse.
- Stable isotope-labeling method was efficient to eliminate the endogenous interferences during metabolism research on pharmaceutical compounds.

Abstract

Widely presented in medicinal plants, naringin is one of the major flavanones with various pharmaceutical bioactivities. After oral administration, naringin

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