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Zein-hyaluronic acid binary complex as a delivery vehicle of Quercetaetin:
Fabrication, structural characterization, physicochemical stability and in vitro
release property

Shuai Chen, Yahong Han, Yingqi Wang, Xi Yang, Cuixia Sun, Like Mao,
Yanxiang Gao

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**Zein-hyaluronic acid binary complex as a delivery vehicle of
Quercetagenin: Fabrication, structural characterization,
physicochemical stability and in vitro release property**

Shuai Chen, Yahong Han, Yingqi Wang, Xi Yang, Cuixia Sun, Like Mao, Yanxiang

Gao*

*Beijing Advanced Innovation Center for Food Nutrition and Human Health,
Beijing Laboratory for Food Quality and Safety, Beijing Key Laboratory of
Functional Food from Plant Resources, College of Food Science & Nutritional
Engineering, China Agricultural University, 100083, China*

*Corresponding author.

Tel.: + 86-10-62737034

Fax: + 86-10-62737986

Address: Box 112, No.17 Qinghua East Road, Haidian District, Beijing 100083,
China

E-mail: gyxcau@126.com**Abstract**

The antisolvent coprecipitation method was utilized for fabricating the zein and hyaluronic acid complex at different mass ratios (100:5, 100:10, 100:15, 100:20, 100:25 and 100:30). Results showed that negatively charged zein-hyaluronic acid complex with small size (181.5 nm) was formed through the driving force of electrostatic attraction, followed by hydrogen bonding and hydrophobic effects. The incorporation of hyaluronic acid led to conformational change of zein, and improved

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