

Pharmaceutical co-crystallization with polyphenols

이청천, 이종휘[†]

중앙대학교

(jong@cau.ac.kr[†])

Functions of polyphenol(PP) were widely known for antioxidant activity, enhanced adhesion, and metal complex. And all of the PP was bioavailable. In pharmaceutical crystallization, the PP is great material for co-former. However, Most of the researched conformer of pharmaceuticals was hard to apply to human body. In this study, we tried to the PP in pharmaceutical crystallization. One pair of drug-PP was successively formed co-crystal. The structure was confirmed by Single crystal X-ray analysis, Power X-ray diffraction, and differential scanning calorimetry. We hoped the research of the co-former of the PP will be open-up new possibility in industrial pharmaceutical crystallization fields.