Review of: "[Review Article] Nanocarriers for Protein and Peptide Drug Delivery"

Yanfei Wang[1]

1 Qingdao Agricultural University

Potential competing interests: No potential competing interests to declare.

In this work, various available structure-based nanocarrier systems for protein and peptide drug delivery were reviewed, and their action mechanism was elucidated. Undoubtedly, new and advanced nanocarriers played an important role in facilitating targeted drug delivery, overcoming physiological barriers, and enabling controlled drug release within the body. The MS can be published in Qeios after minor revisions.

Please find the comments below:

(1) Introduction

The use of nanoparticle technology in protein delivery can be applied to the following. For the first aspect, it should be “i)” instead of “I” to keep consistent with the following aspects, like “ii)”, “iii)” and “iv)”.

(2) Exciting techniques include mucoadhesive polymers, microspheres, nanoparticles, nanoemulsion, and nanoemulsion. The nanoemulsion repeated. It should be microemulsion and nanoemulsion.

III) Nanoemulsion

(3) How does nanoemulsion reduce the enzymatic hydrolysis of the drug in the body? What’s the mechanism?

(4) It is an isotropic transparent liquid, a thermodynamically stable system, and cannot stratify even after autoclaving or centrifugation. Here needs to be supported by literature.

IV) Nanoparticles

(5) The polymers in Table 2 should be referenced accordingly.

All in all, this manuscript contains publishable material, but minor revisions to the manuscript are required before publication.