

Manuscript Evaluation Form

PAPER TITLE	Permeation of Hydroxypropyl-Beta-Cyclodextrin and Its Inclusion Complex through Mouse Small Intestine, Determined by a Spectrophotometry
AUTHOR(S) NAME	Ping Yang, Jinhua Luo, Shuo Yan, Xiaohong Li and Qian Yao

Sec. A: REFEREE'S ASSESSMENT*(cross as appropriate)*

Criterion	Excellent	Good	Fair	Poor
Originality of the topic	x			
Technical Quality		x		
Importance in its Field	x			
Style & Overall Representation	x			
Readily Understandable	x			
Suitability for the Journal	x			
Adequate Illustrations or Drawings	x			
English language		x		
Overall the Paper is Rated:	(Excellent ----- Poor) 10 9 8 7 6 5 4 3 2 1			

Criterion	Yes	No	Comments/ Suggestions
Does the title represent manuscript's contents?	x		
Is the Abstract accurate and concise?	x		
Are the approach/ methods properly described?	x		
Are the conclusions and interpretations sound?	x		
Are the references properly cited?	x		
Is this a new/ original/ confirmatory contribution?	x		
Is it within the scope of the journal?	x		

Sec. B: REFEREE'S RECOMMENDATIONS**OTHER SPECIFIC CRITICISMS**

Accept with minor changes	x	Imperfect style	
Accept with major changes		Too long	
Reject in current form, but may be resubmitted		References incorrectly presented	
Reject, with no resubmission		Typographical and Grammatical errors	x

PAPER TYPE: Research article

Review article

Letter article

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Confidential Comments to the Editor (not for Transmission to Authors):

This article is within the scope of the journal and suitable for publication after some minor revision.

Comments for the Authors (continue on another sheet, if necessary):

Review of the article "Permeation of Hydroxypropyl-Beta-Cyclodextrin and Its Inclusion Complex through Mouse Small Intestine, Determined by a Spectrophotometry", by Ping Yang, Jinhua Luo, Shuo Yan, Xiaohong Li and Qian Yao

In this article a new spectrophotometric method for determination of permeation of hydroxypropyl-beta-cyclodextrin and its inclusion complex through mouse small intestine was established. The study verified that CDs, such as HP-beta-CD with hydrophilic outside shell were able to pass through intestine. During the transportation process of inclusion complex, host molecule, HP-beta-CD, served as a vesicle, preserving guest molecule, OL in its cavity and delivered it across intestine.

This article is within the scope of the journal and suitable for publication after some minor revision.

The English language has to be improved.

In the Abstract, Objective, line 2, use singular for (HP-beta-CD) as a host molecule was prepared

On page 3, paragraph 1, line 4, thus improving

Paragraph 2, line 5, state: This may be attributed

One page 4, paragraph 1, line 1, a sensitive spectrophotometric method was established can be used instead of a sensitive spectrophotometry, as well as in subheading 2.4. and in subheading 3.2., and in the entire manuscript

Paragraph 3, line 1, place the number of reference after Mohandossa et al. proposed [19]

Lines 2 and 3, use plural for

OL and HP-beta-CD were dissolved in 50 % ethanol and water and were mixed together at the mass ratio of 1:3.

Move subheadings 2.3. and 2.3.1. to the next page

On page 7, put the number and unit of measure in the same row in paragraph 2, lines 2 and 3, 35 °C,

Paragraph 3, lines 3 and 4, 1632 cm⁻¹,

Lines 5 and 6, 1034 cm⁻¹

Line 7, the correct spelling is glycoside bond

On page 8, paragraph 1, line 8, OL was entrapped in the cavity of HP-beta-CD and the inclusion complex was formulated successfully

On page 9, paragraph 1, line 3, which may be attributed to the melting point of the material

On page 11, the last sentence of the first paragraph should be modified, as follows:

This suggested that the measurement had to be done after the solution stood for 15 min and accomplished as quickly as possible.

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On page 14, paragraph 3, line 6, the last sentence should begin with: It was found that

On page 15, paragraph 2, line 14, begin the sentence with: The good permeating capacity of CDs may be attributed to their cylindrical structure

On page 16, paragraph 1, line 6, add comma before, whereas cumulative permeation of HP-beta-CD

Lines 12 and 13, place 60 min in the same row

The legend of Figure 4 should be placed below this figure and the technical quality of this figure should be improved.

Format the entire manuscript according to the style of the journal.

Add the numbers of volume, issue, as well as pages to references 2 and 28

State the numbers of issue, first and last page in references 3, 4, 8-15, 17, 19 and 22

Add the number of last page to reference 5

Add the number of issue to references 21, 23, 25 and 26.

FIELD OF EXPERTISE OF REFEREE: Materials and chemical technologies, nanotechnologies, biomedical engineering, spectroscopy, chemistry, medicinal and pharmaceutical chemistry

Name & Affiliation of referee: Tamara Jovanovic, Department of Biomedical Engineering, Faculty of Mechanical Engineering, University of Belgrade, Kraljice Marije 16, 11120 Belgrade, Serbia

Tamara Jovanovic / January 10, 2021

SIGNATURE OF REFEREE / DATE

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