

**Manuscript Evaluation Form**

<b>PAPER TITLE</b>	Simple and Rapid LC-MS/MS Method for Determination of Perampanel in Human Plasma and Application to Bioequivalence Study
<b>AUTHOR(S) NAME</b>	Pan Gao, Qiao-gen Zou

**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		
Description	Yes	No	Comments/Suggestions	
Does the title represent manuscript's contents?	x			
Is the Abstract accurate and concise?	x			
Are the approaches/methods properly described?	x			
Are the conclusions and interpretations sound?	x			
Are the references properly cited?	x			
Is this a new/original contribution?	x			
Is it within the scope of the journal?	x			
Is the sample size adequate for the study?	x			
<b>Overall the Paper is Rated:</b>	<b>(Excellent -----7----- Poor)</b> 10 9 8 7 6 5 4 3 2 1			

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

Accept with minor changes	<input type="checkbox"/>	Imperfect style	<input checked="" type="checkbox"/>
Accept with major changes	<input checked="" type="checkbox"/>	Too long	<input type="checkbox"/>
Reject in current form, but may be resubmitted	<input type="checkbox"/>	References incorrectly presented	<input type="checkbox"/>
Reject, with no resubmission	<input type="checkbox"/>	Typographical and Grammatical errors	<input checked="" type="checkbox"/>

<b>PAPER TYPE:</b> Research article	<input checked="" type="checkbox"/>	Review article	<input type="checkbox"/>	Letter article	<input type="checkbox"/>
Systematic review article	<input type="checkbox"/>	Case Report	<input type="checkbox"/>	Clinical Trial Study	<input type="checkbox"/>
Other	<input type="text"/>				

**Have the following Reporting Guidelines been used by the authors in this study (if applicable)?**

- **Randomized Controlled Trials** – CONSORT – Consolidated Standards of Reporting Trials
- **Observational Studies** – STROBE – Strengthening the Reporting of Observational studies in Epidemiology
- **Systematic Review of Controlled Trials** – PRISMA – Preferred Reporting Items for Systematic Reviews and Meta-Analyses
- **Study of Diagnostic accuracy/assessment scale** – STARD – Standards for the Reporting of Diagnostic Accuracy Studies
- **Case Reports** – CARE – for case reports

Yes	No
Yes	No
Yes	No
Yes	No
Yes	No

**Does the manuscript comply for Ethical Guidelines (if applicable)?**

- Has the author provided the approval from local institutional review board? Or does the manuscript conform to the Helsinki Declaration on human experiments in the “Methods” section?
- Has the approval of institutional ethics committee been obtained by the author regarding experimentation on animals or other species? Is the name of the species mentioned in the title abstract and “Methods” Section of the article?
- In case of experimentation on human subjects, has informed consent been taken?

Yes	No
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Yes	No
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Yes	No
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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 revision.

Review of the article entitled Simple and Rapid LC-MS/MS Method for Determination of Perampanel in Human Plasma and Application to Bioequivalence Study, by Pan Gao, Qiao-gen Zou

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

The English language can be improved at some places.

On page 1, in the abstract, line 15, use singular for anti-epileptic drug (AED)

Line 17, use the first small letter for subjects

Lines 22 and 23, place in the same row 5 mmol/L

Lines 25 and 26, place in the same row 4.5 min

On page 2, lines 22, 23 and 24, state mobile phase (A) water containing 5 mmol/L ammonium acetate and 0.1% formic acid and (B) acetonitrile-water (95:5, v/v)

On page 4, line 62, use singular for AED

On page 5, line 76, state ultra-high-performance and correct spelling quadruple  
Line 80, bio analytical can be separated  
Line 84, state a method for determination of impurities in perampanel bulk drugs

On page 6, line 101, use the past tense for  
The objective of this study was  
Move heading 2. and subheading 2.1. to the next page  
On page 7. Line 113, correct spelling is format  
Lines 120 and 124, place in the same row 4.6 mm  
Line 131, correct spelling is quadruple, ion spray can be separated

On page 8, line 132, use one space between the number and unite of measure, 5500 V, as well as in the entire manuscript  
Line 136, de-clustering can be separated  
Line 141, correct spelling is fragmentation  
Lines 147 and 148, place in the same row 100 ng/mL  
Lines 149 and 150, place in the same row 10  $\mu$ L  
Line 153, state different concentration levels 6.00, 30.00 and 375.00 ng/mL

On page 9, line 159, use comma for 5 min, followed by centrifuging at 4000 rpm, at 4 °C  
Line 164, bio analytical can be separated  
Line 167, correct spelling is analyzing

On page 11, line 198, use brackets correctly  
The precision coefficient of variation (CV %)  
Line 204, correct grammar and spelling, as follows  
The matrix effect was evaluated by analyzing 6 replicates  
Line 207, add one space after solution.  
Move subheading 2.5.5. to the next page

On page 13, move heading 3. and subheading 3.1. to the next page

On page 14, lines 268 and 269, state complete term before the abbreviation, electrospray ionization (ESI) and atmospheric pressure chemical ionization (ACPI)  
Line 276, de-clustering can be separated  
Place Figure 1 (a, b) after its first mention in the text of the article  
Lines 285 and 286, page 15, state in the same order as in the abstract  
(A) water containing 5 mmol/L ammonium acetate and 0.1% formic acid and (B) acetonitrile-water (95:5, v/v)

On page 15, line 292, delete one space after column  
Lines 296 and 297, place in the same row 4.5 min  
Lines 298 and 299, place in the same row 5  $\mu$ m  
Line 303, de-proteinizing can be divided  
Move heading 3.2. and subheading 3.2.1. to the next page

On page 16, place Figure 2 (a-d) after its first mention in the text of the article  
Line 318, use one space between the number and unite of measure 2.00–500 ng/mL  
Lines 325 and 326, state are presented in Table 1, present this table, as well as other tables after their first mention

On page 17, line 334, correct spelling is normalized  
Move subheading 3.2.6. to the next page

On page 18, state complete term before the abbreviation pharmacokinetic (PK)

On page 19, lines 380 and 381, use the first capital letter for Chinese

Add last page numbers to the references 8, 11 and 16

Add issue numbers to the references 11, 14, 16, 17 and 19

Font and resolution of letters and numbers in Figure 2 (a-d) can be improved

Delete dots at the end of captions of Table 1 and Table 5

Use the first capital letter and normal font of letters, instead of bold for  
Post-preparative stability in Table 3

All the figures and tables with their captions and legends should be included and presented within the text of the article after their first mention.

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

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

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

**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, February 25, 2022

**SIGNATURE OF REFEREE / DATE**