

Current Pharmaceutical Analysis

Manuscript Evaluation Form

Editor-in-Chief: Anastasios Economou, Department of Chemistry, Laboratory of Analytical Chemistry, University of Athens, Athens, Greece

PAPER TITLE	Determination of genotoxic alkyl paratoluene sulfonates in cabazitaxel using LC-MS/MS method
AUTHOR(S) NAME	Bavireddi Mohan, R.S.K.Sharma, D. Ravi Kumar, S.V. Murali Mohan Rao, N.V.S.Venugopal

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	x		
English language				
Description	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/ contribution?	x			
Is it within the scope of the journal?	x			
Overall the Paper is Rated:	(Excellent -8----- Poor) 10 9 8 7 6 5 4 3 2 1			

Sec. B: REFEREE'S RECOMMENDATIONS

OTHER SPECIFIC CRITICISMS

Accept with minor changes	<input checked="" type="checkbox"/>	Imperfect style	<input checked="" type="checkbox"/>
Accept with major changes	<input 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"/>

PAPER TYPE: Research article

Review article

Letter article

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

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

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

Review of the article entitled

Determination of genotoxic alkyl paratoluene sulfonates in cabazitaxel using LC-MS/MS method, by Bavireddi Mohan, R.S.K.Sharma, D. Ravi Kumar, S.V. Murali Mohan Rao, N.V.S.Venugopal

This paper reports the development and validation of a new, suitable LC-MS/MS method for determination of genotoxic impurities, such as alkyl *para*-toluenesulfonates (APTSs) in cabazitaxel (CBZ). The obtained results indicated that the proposed LC-MS/MS method is specific, precise, accurate and robust, and can be successfully applied for the testing of Cabazitaxel.

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

In the title of the article, as well as in Key words, after Genotoxic impurities, state

Alkyl *para*-toluenesulfonates

In the abbreviations, as well as in the entire manuscript use

Methyl *p*-toluenesulfonate, Ethyl *p*-toluenesulfonate and Isopropyl *p*-toluenesulfonate

Use italic for *para* or the abbreviation *p*-

In the captions of Tables 2-4 state Methyl tosylate, Ethyl tosylate and Isopropyl tosylate

The English language has to be improved.

For example, on page 2, in the Abstract, the correct sentences are

Column temperature was maintained at 40 °C, the injection volume was 10 µL, flow rate 0.8 mL/min, sample cooler temperature 25 °C and run time 25 minutes.

Ammonium acetate buffer was used., instead of is used

The mixture of buffer and acetonitrile in the ratio of 70:30 (v/v) was used as a mobile phase.

Move 150 to the next row beside µg/mL, as follows: 150 µg/mL

On page 5, in the Experimental, replace

solution was further diluted to 100 mL, instead of solution further diluted into 100mL

50 mg of the test sample was weighed accurately

1.54 g of ammonium acetate was transferred into a 1000 mL beaker, dissolved in 1000 mL of water, filtered through 0.22µ membrane filter paper and degassed.

On page 7, in the section 2.7.

LC analysis was carried out on Agilent-1200 (Agilent Corporation, USA) Waters Symmetry C18 75 × 4.6 mm, 3.5 µ column, as a stationary phase.

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Details of chromatographic conditions are presented in Tables 1-7.

State the complete term and the abbreviation at the first place where it appears in the manuscript, in the rest of the text use either the abbreviation or full term.

Use one space between the numbers and units of measure in in the entire manuscript

Place all the Figures with their legends and Tables with the captions after the first place where they are mentioned in the text of the manuscript.

Place Tables 1-7 below the first paragraph of the section 2.7. Chromatographic conditions

In Table 1, the correct spelling is adducts, instead of aducts

In the caption of Table 7, the correct spelling is Gradient Program

Place Table 8 below the first paragraph of the section 3.1. Method validation

Delete the point at the end of Table 8 caption

Delete the fourth sentence at the end of paragraph 3.1. and state the last sentence

Typical mass spectrograms of blank, MPTS, EPTS, IPTS and Cabazitaxel are given in **Fig. 5-9**.

The quality of Figures 5-9 can be improved.

FIELD OF EXPERTISE OF REFEREE: Materials and chemical technologies, nanotechnologies, biomedical engineering, 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

Dr Tamara Jovanovic / January 31, 2019

SIGNATURE OF REFEREE / DATE

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