Reviewer’s report

Title: Determination of Parecoxib and Valdecoxib in Rat Plasma by UPLC-MS/MS and its Application to Pharmacokinetics Studies

Version: 2 Date: 24 Nov 2019

Reviewer: Marcia Ratner

Reviewer's report:

The language in this paper has been improved somewhat from the original submission but numerous language problems remain which make this paper difficult to read. While the paper employs suitable controls including a determination of the stability of the samples used for method validation, the impact of this methodological improvement for determining parecoxib and valdecoxib levels in rat plasma using UPLC-MS/MS is also not ground breaking (see Liu M, et al: Simultaneous determination of parecoxib sodium and its active metabolite valdecoxib in rat plasma by UPLC-MS/MS and its application to a pharmacokinetic study after intravenous and intramuscular administration. J Chromatogr B Analyt Technol Biomed Life Sci. 2016 Jun 1;1022:220-229. doi: 10.1016/j.jchromb.2016.04.009.)

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:
Not suitable for publication unless extensively edited

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