

Accepted Manuscript

Title: Clinical bioanalysis of treosulfan and its epoxides: The importance of collected blood processing for valid pharmacokinetic results

Authors: Michał Romański, Franciszek Główka

PII: S0731-7085(18)30164-X
DOI: <https://doi.org/10.1016/j.jpba.2018.02.049>
Reference: PBA 11817

To appear in: *Journal of Pharmaceutical and Biomedical Analysis*

Received date: 1-2-2018
Accepted date: 21-2-2018

Please cite this article as: Michał Romański, Franciszek Główka, Clinical bioanalysis of treosulfan and its epoxides: The importance of collected blood processing for valid pharmacokinetic results, *Journal of Pharmaceutical and Biomedical Analysis* <https://doi.org/10.1016/j.jpba.2018.02.049>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Clinical bioanalysis of treosulfan and its epoxides: The importance of collected blood processing for valid pharmacokinetic results

Michał Romański^{*}, Franciszek Główka

Department of Physical Pharmacy and Pharmacokinetics; Poznan University of Medical Sciences, 6 Świącickiego Street, 60-781 Poznań, Poland

***Corresponding Author:**

Dr. Michał Romański

Department of Physical Pharmacy and Pharmacokinetics, Poznan University of Medical Sciences; 6 Świącickiego Street, 60-781 Poznań, Poland

Tel.: +48 61 854 64 31; Fax: +48 61 854 64 30; e-mail address: michalroman@ump.edu.pl

Highlights

- First review on HPLC methods for the bioanalysis of treosulfan and its epoxides
- Citrate buffer or citric acid are used to stabilize the compounds in collected blood
- Blood should not be kept at room temperature for a few hours without the pH control
- At certain conditions, sole treosulfan can be quantified without blood's pH control
- Blood pH lowering is necessary for the valid quantification of treosulfan epoxides

Download English Version:

<https://daneshyari.com/en/article/7626556>

Download Persian Version:

<https://daneshyari.com/article/7626556>

[Daneshyari.com](https://daneshyari.com)