Accepted Manuscript

Overview of experimental and computational methods for the determination of the pKa values of 5-fluorouracil, cyclophosphamide, ifosfamide, imatinib and methotrexate

Katarzyna Mioduszewska, Joanna Dołżonek, Dariusz Wyrzykowski, Łukasz Kubik, Paweł Wiczling, Celina Sikorska, Michał Toński, Zbigniew Kaczyński, Piotr Stepnowski, Anna Białk-Bielińska

PII: S0165-9936(17)30153-X

DOI: 10.1016/j.trac.2017.09.009

Reference: TRAC 15001

To appear in: Trends in Analytical Chemistry

Received Date: 3 May 2017

Revised Date: 5 September 2017 Accepted Date: 8 September 2017

Please cite this article as: K. Mioduszewska, J. Dołżonek, D. Wyrzykowski, Ł. Kubik, P. Wiczling, C. Sikorska, M. Toński, Z. Kaczyński, P. Stepnowski, A. Białk-Bielińska, Overview of experimental and computational methods for the determination of the pKa values of 5-fluorouracil, cyclophosphamide, ifosfamide, imatinib and methotrexate, *Trends in Analytical Chemistry* (2017), doi: 10.1016/j.trac.2017.09.009.

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.



ACCEPTED MANUSCRIPT

1	Overview of experimental and computational methods for the determination of the pKa
2	values of 5-fluorouracil, cyclophosphamide, ifosfamide, imatinib and methotrexate
3	Katarzyna Mioduszewska ¹ , Joanna Dołżonek ¹ , Dariusz Wyrzykowski ² , Łukasz Kubik ³ , Paweł
4	Wiczling ³ , Celina Sikorska ⁴ , Michał Toński ¹ , Zbigniew Kaczyński ⁵ , Piotr Stepnowski ¹ , Anna
5	Białk-Bielińska ^{1*}
6	¹ Department of Environmental Analysis, Faculty of Chemistry, University of Gdańsk, ul.
7	Wita Stwosza 63, PL-80-308 Gdańsk, Poland
8	² Department of General and Inorganic Chemistry, Faculty of Chemistry, University of
9	Gdańsk, Wita Stwosza 63, PL-80-308 Gdańsk, Poland
10	³ Department of Biopharmaceutics and Pharmacodynamics, Medical University of Gdańsk,
11	Al. Gen. J. Hallera 107, 80-416 Gdańsk, Poland
12	⁴ Department of Theoretical Chemistry, Faculty of Chemistry, University of Gdańsk, Wita
13	Stwosza 63, PL-80-308 Gdańsk, Poland
14	⁵ Department of Biomedical Chemistry, Faculty of Chemistry, University of Gdańsk, Wita
15	Stwosza 63, PL-80-308 Gdańsk, Poland
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	*Corresponding author: a.bialk-bielinska@ug.edu.pl, phone (+48 58) 5235207

Download English Version:

https://daneshyari.com/en/article/5141526

Download Persian Version:

https://daneshyari.com/article/5141526

<u>Daneshyari.com</u>