## Accepted Manuscript

Synthesis, biological evaluation and molecular modeling of new tetrahydroacridine derivatives as potential multifunctional agents for the treatment of Alzheimer's disease

Marek Bajda, Jakub Jończyk, Barbara Malawska, Kamila Czarnecka, Małgorzata Girek, Paulina Olszewska, Joanna Sikora, Elżbieta Mikiciuk-Olasik, Robert Skibiński, Anna Gumieniczek, Paweł Szymański

PII:	S0968-0896(15)00613-6
DOI:	http://dx.doi.org/10.1016/j.bmc.2015.07.029
Reference:	BMC 12458
To appear in:	Bioorganic & Medicinal Chemistry
Received Date:	22 April 2015
Revised Date:	11 July 2015
Accepted Date:	15 July 2015



Please cite this article as: Bajda, M., Jończyk, J., Malawska, B., Czarnecka, K., Girek, M., Olszewska, P., Sikora, J., Mikiciuk-Olasik, E., Skibiński, R., Gumieniczek, A., Szymański, P., Synthesis, biological evaluation and molecular modeling of new tetrahydroacridine derivatives as potential multifunctional agents for the treatment of Alzheimer's disease, *Bioorganic & Medicinal Chemistry* (2015), doi: http://dx.doi.org/10.1016/j.bmc.2015.07.029

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

Synthesis, biological evaluation and molecular modeling of new tetrahydroacridine derivatives as potential multifunctional agents for the treatment of Alzheimer's disease

Marek Bajda<sup>1</sup>, Jakub Jończyk<sup>1</sup>, Barbara Malawska<sup>1</sup>, Kamila Czarnecka<sup>2</sup>, Małgorzata Girek<sup>2</sup>, Paulina Olszewska<sup>3</sup>, Joanna Sikora<sup>3</sup>, Elżbieta Mikiciuk-Olasik<sup>3</sup>, Robert Skibiński<sup>4</sup>, Anna Gumieniczek<sup>4</sup>, Paweł Szymański<sup>2</sup>

<sup>1</sup>Department of Physicochemical Drug Analysis, Chair of Pharmaceutical Chemistry, Faculty of Pharmacy, Jagiellonian University Medical College, 30-688 Kraków, Medyczna 9, Poland

<sup>2</sup> Laboratory of Radiopharmacy, Department of Pharmaceutical Chemistry, Drug Analyses and Radiopharmacy, Medical University, 90-151 Łódź, Muszyńskiego 1, Poland

<sup>3</sup>Department of Pharmaceutical Chemistry, Drug Analyses and Radiopharmacy, Medical University, 90-151 Łódź, Muszyńskiego 1, Poland

<sup>4</sup>Department of Medicinal Chemistry, Pharmaceutical Faculty, Medical University of Lublin, 20-090 Lublin, Jaczewskiego 4, Poland

Corresponding author: Marek Bajda, Tel.: +48-12-620-54-65, Fax: +48-12-657-02-62, e-mail: marek.bajda@uj.edu.pl; Paweł Szymański, Tel.: +48-42-677-92-90, Fax: +48-42-677-92-50, e-mail: pawel.szymanski@umed.lodz.pl.

Keywords: acetylcholinesterase inhibitors; Alzheimer's disease; inhibitors of  $A\beta$  aggregation; molecular modeling; multifunctional ligands; tetrahydroacridines

CCK

Download English Version:

## https://daneshyari.com/en/article/10583425

Download Persian Version:

https://daneshyari.com/article/10583425

Daneshyari.com