



Analytical Sciences The Japan Society for Analytical Chemistry Available Issues | Japanese | Publisher Site Author: | ADVANCED | Volume | Page | Keyword: | Search | Go Add to Favorite / Citation | Add to Favorite | Publications | Publications | Page |

<u>TOP</u> > <u>Available Issues</u> > <u>Table of Contents</u> > <u>Abstract</u>

ONLINE ISSN: 1348-2246 PRINT ISSN: 0910-6340

Analytical Sciences

Vol. 26 (2010), No. 1 p.51

[PDF (309K)] [References] [Supplementary Materials]

Determination of Acid Dissociation Constants of Compounds Active at Neuronal Nicotinic Acetylcholine Receptors by Means of Electrophoretic and Potentiometric Techniques

<u>Gabriella RODA</u>¹⁾, <u>Clelia DALLANOCE</u>¹⁾, <u>Giovanni GRAZIOSO</u>¹⁾, <u>Vincenzo LIBERTI¹⁾ and Marco De AMICI¹⁾</u>

1) Dipartimento di Scienze Farmaceutiche "Pietro Pratesi", Università degli Studi di Milano

(Received September 7, 2009) (Accepted October 30, 2009)

The dissociation constants of epiboxidine 2 and a series of bases active at neuronal nicotinic acetylcholine receptors were determined by means of potentiometric and electrophoretic methods, which gave values in good agreement. Although showing different features, the two techniques are complementary for dissociation constant determinations. The choice of the most suitable method is guided by the available amount of sample, its purity, and the time needed for the analysis. The experimental values were compared with the predictions obtained with ACD/pK_a DB software.

[PDF (309K)] [References] [Supplementary Materials]

Download Meta of Article[Help]

RIS

BibTeX

To cite this article:

Gabriella RODA, Clelia DALLANOCE, Giovanni GRAZIOSO, Vincenzo LIBERTI and Marco De AMICI, *Anal. Sci.*, Vol. 26, p.51, (2010).

doi:10.2116/analsci.26.51 JOI JST.JSTAGE/analsci/26.51

Copyright (c) 2010 by The Japan Society for Analytical Chemistry











Japan Science and Technology Information Aggregator, Electronic

