Accepted Manuscript

Title: Exploring the intermolecular interactions acting in solvent-modified MEKC by Molecular Dynamics and NMR: the effect of *n*-butanol on the separation of diclofenac and its impurities

Authors: Claudia Caprini, Benedetta Pasquini, Fabrizio Melani, Massimo Del Bubba, Alessandro Giuffrida, Enrica Calleri, Serena Orlandini, Sandra Furlanetto

PII: S0731-7085(17)31808-3

DOI: https://doi.org/10.1016/j.jpba.2017.11.010

Reference: PBA 11584

To appear in: Journal of Pharmaceutical and Biomedical Analysis

Received date: 14-7-2017 Revised date: 4-10-2017 Accepted date: 1-11-2017

Please cite this article as: Claudia Caprini, Benedetta Pasquini, Fabrizio Melani, Massimo Del Bubba, Alessandro Giuffrida, Enrica Calleri, Serena Orlandini, Sandra Furlanetto, Exploring the intermolecular interactions acting in solvent-modified MEKC by Molecular Dynamics and NMR: the effect of n-butanol on the separation of diclofenac and its impurities, Journal of Pharmaceutical and Biomedical Analysis https://doi.org/10.1016/j.jpba.2017.11.010

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.



Exploring the intermolecular interactions acting in solvent-modified MEKC by Molecular Dynamics and NMR: the effect of n-butanol on the separation of diclofenac and its impurities

Claudia Caprini^a, Benedetta Pasquini^a, Fabrizio Melani^b, Massimo Del Bubba^c, Alessandro Giuffrida^d, Enrica Calleri^e, Serena Orlandini ^{a,*}, Sandra Furlanetto^{a,*}

Department of Chemistry "U. Schiff", University of Florence, "Via U. Schiff 6, "Via della Lastruccia 3-13, 50019 Sesto Fiorentino, Florence, Italy

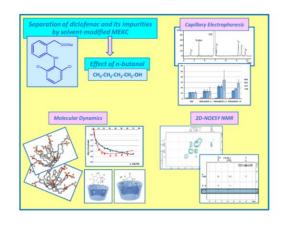
^bDepartment of Neuroscience, Psychology, Drug Research and Child Health, Section of Pharmaceutical and Nutraceutical Sciences, University of Florence, Via U. Schiff 6, 50019 Sesto Fiorentino, Florence, Italy

^dDepartment of Chemical Sciences, University of Catania, Viale A. Doria 6, 95125 Catania, Italy ^eDepartment of Drug Sciences, University of Pavia, Via Taramelli 12, 27100 Pavia, Italy

*Corresponding authors. Tel.: +39 055 4573717 (S. Furlanetto), +39 055 4573733 (S. Orlandini)

E-mail addresses: sandra.furlanetto@unifi.it (S. Furlanetto), serena.orlandini@unifi.it (S. Orlandini)

Graphical abstract



Download English Version:

https://daneshyari.com/en/article/7627470

Download Persian Version:

https://daneshyari.com/article/7627470

Daneshyari.com