

Accepted Manuscript

Title: Simultaneous quantification of free curcuminoids and their metabolites in equine plasma by LC-ESI-MS/MS

Authors: Yongqiang Liu, Melissa Siard, Amanda Adams, Michael L. Keowen, Travis K. Miller, Frank Garza Jr., Frank M. Andrews, Navindra P. Seeram



PII: S0731-7085(18)30117-1
DOI: <https://doi.org/10.1016/j.jpba.2018.03.014>
Reference: PBA 11845

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

Received date: 12-1-2018
Revised date: 5-3-2018
Accepted date: 6-3-2018

Please cite this article as: Yongqiang Liu, Melissa Siard, Amanda Adams, Michael L.Keowen, Travis K.Miller, Frank Garza, Frank M.Andrews, Navindra P.Seeram, Simultaneous quantification of free curcuminoids and their metabolites in equine plasma by LC-ESI-MS/MS, Journal of Pharmaceutical and Biomedical Analysis <https://doi.org/10.1016/j.jpba.2018.03.014>

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.

Simultaneous quantification of free curcuminoids and their metabolites in equine plasma by LC-ESI-MS/MS

Yongqiang Liu^a, Melissa Siard^b, Amanda Adams^b, Michael L. Keowen^c, Travis K. Miller^c, Frank Garza, Jr.^c, Frank M. Andrews^c, Navindra P. Seeram^{a,*}

^a*Bioactive Botanical Research Laboratory, Department of Biomedical and Pharmaceutical Sciences, College of Pharmacy, University of Rhode Island, 7 Greenhouse Road, Kingston, RI 02881, USA*

^b*Gluck Equine Research Center, Department of Veterinary Science, University of Kentucky, 1400 Nicholasville Road, Lexington, KY 40546, USA*

^c*Equine Health Studies Program, Department of Veterinary Clinical Sciences, Louisiana State University School of Veterinary Medicine, Skip Bertman Drive, 1843 Veterinary Teaching Hospital, Baton Rouge, LA 70803, USA*

*Address enquiries to:

Tel./Fax +1 401-874-9367/5787, e-mail: nseeram@uri.edu (Navindra P. Seeram)

Highlights

- First validated LC-MS/MS method for curcuminoid/metabolites quantification in equine plasma
- First evaluation of curcuminoids/metabolites pharmacokinetics in horse

ABSTRACT

The human health benefits attributed to turmeric/curcumin spice has resulted in its wide

Download English Version:

<https://daneshyari.com/en/article/7626666>

Download Persian Version:

<https://daneshyari.com/article/7626666>

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