

## Accepted Manuscript

Title: Steroid profiling in H295R cells to identify chemicals potentially disrupting the production of adrenal steroids

Author: Petra Strajhar David Tonoli Fabienne Jeanneret  
Raphaella M. Imhof Vanessa Malagnino Melanie Patt Denise  
V. Kratschmar Julien Boccard Serge Rudaz Alex Odermatt



PII: S0300-483X(17)30056-2  
DOI: <http://dx.doi.org/doi:10.1016/j.tox.2017.02.010>  
Reference: TOX 51832

To appear in: *Toxicology*

Received date: 13-10-2016  
Revised date: 9-2-2017  
Accepted date: 16-2-2017

Please cite this article as: Strajhar, P., Tonoli, D., Jeanneret, F., Imhof, R.M., Malagnino, V., Patt, M., Kratschmar, D.V., Boccard, J., Rudaz, S., Odermatt, A., Steroid profiling in H295R cells to identify chemicals potentially disrupting the production of adrenal steroids, *Toxicology* (2017), <http://dx.doi.org/10.1016/j.tox.2017.02.010>

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.

# **Steroid profiling in H295R cells to identify chemicals potentially disrupting the production of adrenal steroids**

Petra Strajhar,<sup>a,c</sup> David Tonoli,<sup>b,c</sup> Fabienne Jeanneret,<sup>b,c</sup> Raphaella M. Imhof,<sup>a</sup> Vanessa Malagnino,<sup>a</sup> Melanie Patt,<sup>a</sup> Denise V. Kratschmar,<sup>a</sup> Julien Boccard,<sup>b</sup> Serge Rudaz,<sup>b,c</sup> Alex Odermatt<sup>a,c,\*</sup>

<sup>a</sup>Division of Molecular and Systems Toxicology, Department of Pharmaceutical Sciences, University of Basel, Klingelbergstrasse 50, 4056 Basel, Switzerland

<sup>b</sup>School of Pharmaceutical Sciences, University of Geneva and University of Lausanne, Pavillon des Isotopes 20, Boulevard d'Yvoy, 1211 Geneva, Switzerland

<sup>c</sup>Swiss Centre for Applied Human Toxicology (SCAHT), Universities of Basel and Geneva, Basel, Switzerland

\*Prof. Dr. Alex Odermatt, Division of Molecular and Systems Toxicology, Department of Pharmaceutical Sciences, University of Basel, Klingelbergstrasse 50, 4056 Basel, Switzerland

alex.odermatt@unibas.ch; Phone: + 41 61 267 15 30; Fax: + 41 61 267 15 15

## **Keywords**

Adrenal toxicity; endocrine disrupting chemical; H295R; steroid; profiling

## **Abbreviations**

DMEM, Dulbecco's modified Eagle's medium; DMSO, dimethyl sulfoxide; EDCs, endocrine disrupting chemicals; LC-MS, liquid chromatography-mass spectrometry; LOD, limit of detection; LLOQ, lower limit of quantification; MTT, 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl tetrazolium bromide; OECD, Organization for Economic Co-operation and Development; PDB, Protein Data Bank; REACH, Registration, Evaluation, Authorization and Restriction of Chemicals

Download English Version:

<https://daneshyari.com/en/article/5561958>

Download Persian Version:

<https://daneshyari.com/article/5561958>

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