## **Accepted Manuscript**

Abuse liability assessment for biologic drugs – All molecules are not created equal

Christina L. Zuch de Zafra, Carrie G. Markgraf, David R. Compton, Thomas J. Hudzik

PII: S0273-2300(17)30376-8

DOI: 10.1016/j.yrtph.2017.11.019

Reference: YRTPH 4000

To appear in: Regulatory Toxicology and Pharmacology

Received Date: 18 August 2017

Revised Date: 27 November 2017

Accepted Date: 29 November 2017

Please cite this article as: Zuch de Zafra, C.L., Markgraf, C.G., Compton, D.R., Hudzik, T.J., Abuse liability assessment for biologic drugs – All molecules are not created equal, *Regulatory Toxicology and Pharmacology* (2017), doi: 10.1016/j.yrtph.2017.11.019.

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

1	Abuse Liability Assessment for Biologic Drugs – All Molecules are Not Created Equal
2	
3	Christina L. Zuch de Zafra <sup>1*</sup> , Carrie G. Markgraf <sup>2†</sup> , David R. Compton <sup>3</sup> , and Thomas J. Hudzik <sup>4</sup>
4	
5 6 7 8	<sup>1</sup> Comparative Biology and Safety Sciences, Amgen, Inc., South San Francisco, CA <sup>2</sup> Preclinical Safety, Discovery Sciences Support, Merck & Co., Ltd., Kenilworth, NJ <sup>3</sup> Preclinical Safety, Sanofi US, Bridgewater, NJ <sup>4</sup> ALA BioPharma Consulting, Chicago, IL
9	
10	
11	
12	
13	
14	
15	
16 17	
18	
19	*Corresponding author:
20 21 22 23 24 25	Christina Zuch de Zafra Amgen, Inc. 1120 Veterans Blvd. South San Francisco, CA 94080 Phone: 650-244-2054 Email: cdezafra@amgen.com
26	
27	<sup>†</sup> Carrie G. Markgraf is presently at Sunovion Pharmaceuticals Inc, Marlborough MA
28	

## Download English Version:

## https://daneshyari.com/en/article/8551705

Download Persian Version:

https://daneshyari.com/article/8551705

<u>Daneshyari.com</u>