

# Accepted Manuscript

Efficacy of NVR 3-778, Alone and in Combination With Pegylated Interferon, vs Entecavir in uPA/SCID Mice With Humanized Livers and HBV Infection

Klaus Klumpp, Takashi Shimada, Lena Allweiss, Tassilo Volz, Marc Lütgehetmann, G. Hartman, Osvaldo A. Flores, Angela M. Lam, Maura Dandri

PII: S0016-5085(17)36276-5  
DOI: [10.1053/j.gastro.2017.10.017](https://doi.org/10.1053/j.gastro.2017.10.017)  
Reference: YGAST 61491

To appear in: *Gastroenterology*  
Accepted Date: 17 October 2017

Please cite this article as: Klumpp K, Shimada T, Allweiss L, Volz T, Lütgehetmann M, Hartman G, Flores OA, Lam AM, Dandri M, Efficacy of NVR 3-778, Alone and in Combination With Pegylated Interferon, vs Entecavir in uPA/SCID Mice With Humanized Livers and HBV Infection, *Gastroenterology* (2017), doi: 10.1053/j.gastro.2017.10.017.

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.



1 **Efficacy of NVR 3-778, Alone and in Combination With Pegylated Interferon, vs Entecavir**  
2 **in uPA/SCID Mice With Humanized Livers and HBV Infection**

3 Klaus Klumpp<sup>1\*</sup>, Takashi Shimada<sup>2</sup>, Lena Allweiss<sup>3</sup>, Tassilo Volz<sup>3</sup>, Marc Lütgehetmann<sup>3,4</sup>, G.  
4 Hartman<sup>1</sup>, Osvaldo A. Flores<sup>1</sup> Angela M. Lam<sup>1</sup>, and Maura Dandri<sup>3,5</sup>

5 Address

6 <sup>1</sup>Novira Therapeutics Inc, part of the Janssen Pharmaceutical companies  
7 3805 Old Easton Road, Doylestown, PA 18902, USA

8 <sup>2</sup>PhoenixBio Co., Ltd., Higashi-Hiroshima, 739-0046 Japan

9 <sup>3</sup> I. Department of Internal Medicine, University Medical Center Hamburg-Eppendorf, Hamburg,  
10 Germany

11 <sup>4</sup>Institute of Microbiology, Virology and Hygiene, University Medical Center Hamburg-  
12 Eppendorf, Hamburg, Germany

13 <sup>5</sup>German Center for Infection Research, Hamburg-Lübeck-Borstel Partner Site, Germany

14 \*Correspondence to Klaus Klumpp, email: kklumpp@noviratherapeutics.com

15

16 **Short title: NVR 3-778 in HBV infected humanized mice**

17 **List of abbreviations:**

18 ALT, alanine aminotransferase; BID, twice daily (bis in die); BLQ, below the limit of  
19 quantification; CAM, capsid assembly modulator; cccDNA, covalently closed circular DNA;  
20 CHB, chronic hepatitis B; DMSO, dimethyl sulfoxide; DNA, deoxyribonucleic acid; ER,  
21 endoplasmatic reticulum; h-Alb, human albumin; HAP, heteroaryldihydropyrimidine; HBeAg,  
22 Hepatitis e antigen; HBsAg, Hepatitis B surface antigen; HBV, hepatitis B virus; peg-IFN,  
23 pegylated interferon alpha; pgRNA, pregenomic RNA; p.o., orally (per os); QD, once daily  
24 (quaque die); rcDNA, relaxed circular DNA; RNA, ribonucleic acid; SCID, severe combined  
25 immunodeficiency; uPA, urokinase-type Plasminogen Activator;

26 **Disclosures:** MD and ML received funding from the German Center for Infection Research  
27 (DZIF; TTU05.806 and TTU05.807). MD was also supported by the German Research  
28 Foundation (DFG Heisenberg Professorship DA1063/3-2 and SFB 841). LA and TV have  
29 nothing to disclose. KK, GH, OAF and AML are employees of Novira Therapeutics Inc. and  
30 Janssen Pharmaceutical Companies. TS is an employee of PhoenixBio Co.

31 **Author Contributions:** KK, TS, GH, OAF, MD designed the study, AML, TS, LA, TV, ML,  
32 generated data, KK, AML, TS, TV, MD performed data analyses and wrote the paper

Download English Version:

<https://daneshyari.com/en/article/8726904>

Download Persian Version:

<https://daneshyari.com/article/8726904>

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