

# Accepted Manuscript

Structure-based drug design for envelope protein E2 uncovers a new class of bovine viral diarrhea inhibitors that block virus entry

María José Pascual, Fernando Merwaiss, Emilse Leal, María Eugenia Quintana, Alejandra V. Capozzo, Claudio N. Cavasotto, Mariela Bollini, Diego E. Alvarez



PII: S0166-3542(17)30598-3

DOI: [10.1016/j.antiviral.2017.10.010](https://doi.org/10.1016/j.antiviral.2017.10.010)

Reference: AVR 4169

To appear in: *Antiviral Research*

Received Date: 23 August 2017

Revised Date: 9 October 2017

Accepted Date: 11 October 2017

Please cite this article as: Pascual, Mari.José., Merwaiss, F., Leal, E., Quintana, Mari.Eugenia., Capozzo, A.V., Cavasotto, C.N., Bollini, M., Alvarez, D.E., Structure-based drug design for envelope protein E2 uncovers a new class of bovine viral diarrhea inhibitors that block virus entry, *Antiviral Research* (2017), doi: 10.1016/j.antiviral.2017.10.010.

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.

**Structure-based drug design for envelope protein E2 uncovers a new class of bovine viral diarrhea inhibitors that block virus entry**

María José Pascual<sup>1</sup>, Fernando Merwaiss<sup>1</sup>, Emilse Leal<sup>2</sup>, María Eugenia Quintana<sup>3</sup>, Alejandra V. Capozzo<sup>3</sup>, Claudio N. Cavasotto<sup>4</sup>, Mariela Bollini<sup>2,§</sup> and Diego E. Alvarez<sup>1,#</sup>

<sup>1</sup> Instituto de Investigaciones Biotecnológicas, CONICET, Universidad Nacional de San Martín, Argentina

<sup>2</sup> Centro de Investigaciones en Bionanociencias, CONICET, Argentina

<sup>3</sup> INTA-Instituto de Virología. Centro de Investigaciones en Ciencias Veterinarias y Agronómicas, Buenos Aires, Argentina

<sup>4</sup> Laboratory of Computational Chemistry and Drug Design, Instituto de Investigación en Biomedicina de Buenos Aires (IBioBA) – CONICET – Partner Institute of the Max Planck Society, Argentina

<sup>#</sup> Corresponding author. Instituto de Investigaciones Biotecnológicas, CONICET, Universidad Nacional de San Martín, San Martín (B1650HMR) Argentina. [dalvarez@iibintech.com.ar](mailto:dalvarez@iibintech.com.ar)

<sup>§</sup> Corresponding author. Centro de Investigaciones en Bionanociencias, CONICET, Buenos Aires (C1425FQD) Argentina. [mariela.bollini@cibion.conicet.gov.ar](mailto:mariela.bollini@cibion.conicet.gov.ar)

Download English Version:

<https://daneshyari.com/en/article/8523456>

Download Persian Version:

<https://daneshyari.com/article/8523456>

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