Accepted Manuscript

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S1093	3-3263(17)30923-3
https:/	//doi.org/10.1016/j.jmgm.2018.01.014
: JMG (7115
in: Journa	al of Molecular Graphics and Modelling
date: 6-12-2	2017
ate: 16-1-2	2018
date: 17-1-2	2018
in: <i>Journa</i> date: 6-12-2 ate: 16-1-2	al of Molecular Graphics and Modellin 2017 2018

Please cite this article as: Ryosuke Takeda, Ittetsu Kobayashi, Rie Suzuki, Kentaro Kawai, Atsushi Kittaka, Midori Takimoto-Kamimura, Noriyuki Kurita, Proposal of potent inhibitors for vitamin-D receptor based on ab initio fragment molecular orbital calculations, Journal of Molecular Graphics and Modelling https://doi.org/10.1016/j.jmgm.2018.01.014

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ACCEPTED MANUSCRIPT

Proposal of potent inhibitors for vitamin-D receptor based on *ab initio* fragment molecular orbital calculations

Ryosuke Takeda¹, Ittetsu Kobayashi¹, Rie Suzuki¹, Kentaro Kawai², Atsushi Kittaka³, Midori Takimoto-Kamimura⁴ and Noriyuki Kurita^{1, *}

¹ Department of Computer Science and Engineering, Toyohashi University of Technology, Tempaku-cho, Toyohashi, Aichi, 441-8580, Japan

² Drug Research Center, Kaken Pharmaceutical Co. Ltd.,
14, Shinomiya, Minamigawara-cho, Yamashina-ku, Kyoto, 607-8042, Japan

³ Faculty of Pharmaceutical Sciences, Teikyo University, 2-11-1 Kaga, Itabashi, Tokyo 173-8605, Japan

⁴ Teijin Institute for Bio-Medical Research, Teijin Pharma Ltd., 4-3-2 Asahigaoka, Hino, Tokyo, 191-8512, Japan

*Corresponding author

Noriyuki Kurita Department of Computer Science and Engineering, Toyohashi University of Technology, Tempaku-cho, Toyohashi, Aichi, 441-8580, Japan E-mail: kurita@cs.tut.ac.jp Tel. & Fax.: +81-532-44-6875

Graphical abstract

Figure 7 in our paper

Interacting structures between VDR residues (Tyr143, Asp144, Arg274 and His305) and the novel derivative D5b proposed in the present study; green and blue dashed lines indicate hydrogen-bonding and CH- π interactions, respectively.

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