

Accepted Manuscript

Mathematical modeling of antibody drug conjugates with the target and tubulin dynamics to predict AUC

Jong Hyuk Byun, Il Hyo Jung

PII: S0022-5193(18)30045-6
DOI: [10.1016/j.jtbi.2018.01.028](https://doi.org/10.1016/j.jtbi.2018.01.028)
Reference: YJTBI 9341



To appear in: *Journal of Theoretical Biology*

Received date: 13 January 2017
Revised date: 27 December 2017
Accepted date: 24 January 2018

Please cite this article as: Jong Hyuk Byun, Il Hyo Jung, Mathematical modeling of antibody drug conjugates with the target and tubulin dynamics to predict AUC, *Journal of Theoretical Biology* (2018), doi: [10.1016/j.jtbi.2018.01.028](https://doi.org/10.1016/j.jtbi.2018.01.028)

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 Highlights

- 2 • An ADC model containing target and tubulin is constructed.
- 3 • Mathematical analysis is conducted as depending on parameters.
- 4 • The model is fitted from the observed data.
- 5 • Target, tubulin and their complex dynamics are demonstrated as well as ADCs and the
6 cytotoxic payloads.
- 7 • Area under the curve is predicted even if data is sparse when half-life is given.

Download English Version:

<https://daneshyari.com/en/article/8876802>

Download Persian Version:

<https://daneshyari.com/article/8876802>

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