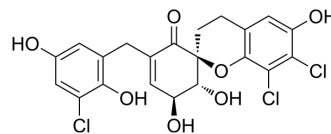


## β-Glucuronidase-IN-2

Cat. No.:	HY-151166
Molecular Formula:	C <sub>21</sub> H <sub>17</sub> Cl <sub>3</sub> O <sub>7</sub>
Molecular Weight:	487.71
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	β-Glucuronidase-IN-2 is a potent E. coli β-glucuronidase inhibitor with an IC <sub>50</sub> value of 0.24 μM, an K <sub>i</sub> value of 1.09 μM. β-Glucuronidase-IN-2 shows antiproliferative activity. β-Glucuronidase-IN-2 has the potential for the research of anti-cancer and anti-inflammatory therapies <sup>[1]</sup> .								
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 0.24 μM (β-glucuronidase) <sup>[1]</sup>								
<b>In Vitro</b>	<p>β-Glucuronidase-IN-2 (compound 17) (20 μM; 24 h) shows antiproliferative activity in Namalwa, U266 cells<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Proliferation Assay<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>Namalwa, U266 cells</td> </tr> <tr> <td>Concentration:</td> <td>20 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>24 h</td> </tr> <tr> <td>Result:</td> <td>Showed antiproliferative activity with the viability rate of 83.9% and 95.04% in Namalwa, U266 cells, respectively.</td> </tr> </table>	Cell Line:	Namalwa, U266 cells	Concentration:	20 μM	Incubation Time:	24 h	Result:	Showed antiproliferative activity with the viability rate of 83.9% and 95.04% in Namalwa, U266 cells, respectively.
Cell Line:	Namalwa, U266 cells								
Concentration:	20 μM								
Incubation Time:	24 h								
Result:	Showed antiproliferative activity with the viability rate of 83.9% and 95.04% in Namalwa, U266 cells, respectively.								

### REFERENCES

[1]. YichaoGe, et al. Exploring gabosine and chlorogentisyl alcohol derivatives from a marine-derived fungus as EcGUS inhibitors with informatic assisted approaches. European Journal of Medicinal Chemistry, 2022, 114699.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA