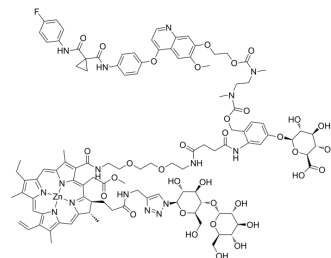


## β-Glucuronidase responsive conjugate 1

Cat. No.:	HY-161341
Molecular Formula:	C <sub>108</sub> H <sub>127</sub> FN <sub>16</sub> O <sub>34</sub> Zn
Molecular Weight:	2277.63
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	β-Glucuronidase responsive conjugate 1 (compound 3) is a well-balanced photosensitizer which has photodynamic activity. β-Glucuronidase responsive conjugate 1 inhibits T-24 cell viability and growth with an IC <sub>50</sub> of 0.2 μM. β-Glucuronidase responsive conjugate 1 can be used to study bladder cancers <sup>[1]</sup> .								
<b>In Vitro</b>	<p>β-Glucuronidase responsive conjugate 1 (0.01 μM, 24 h) inhibits cell viability in T-24 cells<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>T-24 cells</td> </tr> <tr> <td>Concentration:</td> <td>1 nM-100 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>24 hours</td> </tr> <tr> <td>Result:</td> <td>Pronouncedly reduced cell viability when treated with 0.01 μM. Inhibited tumor growth in 3D in vitro model.</td> </tr> </table>	Cell Line:	T-24 cells	Concentration:	1 nM-100 μM	Incubation Time:	24 hours	Result:	Pronouncedly reduced cell viability when treated with 0.01 μM. Inhibited tumor growth in 3D in vitro model.
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### REFERENCES

[1]. Otvagin VF, et al. A first-in-class β-glucuronidase responsive conjugate for selective dual targeted and photodynamic therapy of bladder cancer. *Eur J Med Chem.* 2024 Mar 5;269:116283.

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

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