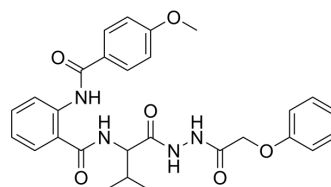


## Wnt/ $\beta$ -catenin-IN-2

Cat. No.:	HY-160709
CAS No.:	1397006-01-7
Molecular Formula:	C <sub>28</sub> H <sub>30</sub> N <sub>4</sub> O <sub>6</sub>
Molecular Weight:	518.56
Target:	Wnt; $\beta$ -catenin
Pathway:	Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Wnt/ $\beta$ -catenin-IN-2 (Compound 3235-0367) is a Wnt/ $\beta$ -catenin signaling pathway inhibitor, with IC <sub>50</sub> and K <sub>D</sub> values of 7.1 and 2.5 $\mu$ M, respectively. Wnt/ $\beta$ -catenin-IN-2 can be used for the research of cancer <sup>[1]</sup> .
<b>In Vitro</b>	Wnt/ $\beta$ -catenin-IN-2 (0-40 $\mu$ M, 12-16 h) inhibits Wnt3a-induced $\beta$ -signaling at the low micromolar range dose-dependently in 3T3 cells treated with Wnt3a <sup>[1]</sup> . Wnt/ $\beta$ -catenin-IN-2 (10 $\mu$ M, 3 h) inhibits LRP6 phosphorylation induced by Wnt signaling in HEK293T cells treated with Wnt3a <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Lee HJ, et al. Structure-based Discovery of Novel Small Molecule Wnt Signaling Inhibitors by Targeting the Cysteine-rich Domain of Frizzled. J Biol Chem. 2015 Dec 18;290(51):30596-606.

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

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