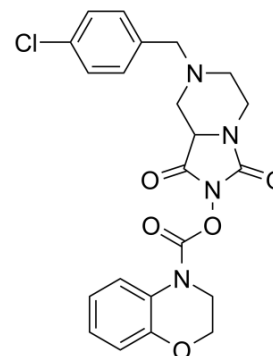


ABC99

Cat. No.:	HY-122832
CAS No.:	2331255-53-7
Molecular Formula:	C ₂₂ H ₂₁ ClN ₄ O ₅
Molecular Weight:	456.88
Target:	Wnt
Pathway:	Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ABC99 is an N-hydroxyhydantoin (NHH) carbamate that selectively inhibits the Wnt-deacylating enzyme NOTUM (IC ₅₀ =13 nM). ABC99 preserves Wnt3A signaling in the presence of NOTUM ^[1] .									
IC₅₀ & Target	IC ₅₀ : 13 nM (Notum) ^[1]									
In Vitro	<p>ABC99 (0.1~10 μM; 2 hours; SW620 cells) inhibits NOTUM in a concentration-dependent manner^[1]. ABC99 preserves Wnt-3A activity in the presence of NOTUM in a concentration-dependent manner^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Western Blot Analysis^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>SW620 cells</td> </tr> <tr> <td>Concentration:</td> <td>0.1~10 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>2 hours</td> </tr> <tr> <td>Result:</td> <td>Inhibited NOTUM in a concentration-dependent manner.</td> </tr> </table>		Cell Line:	SW620 cells	Concentration:	0.1~10 μM	Incubation Time:	2 hours	Result:	Inhibited NOTUM in a concentration-dependent manner.
Cell Line:	SW620 cells									
Concentration:	0.1~10 μM									
Incubation Time:	2 hours									
Result:	Inhibited NOTUM in a concentration-dependent manner.									

REFERENCES

[1]. Suciú RM, et al. Selective Irreversible Inhibitors of the Wnt-Deacylating Enzyme NOTUM Developed by Activity-Based Protein Profiling. ACS Med Chem Lett. 2018;9(6):563-568.

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

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