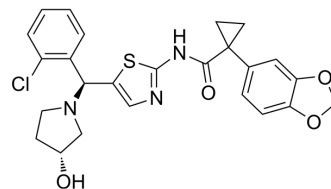


VRT-534

Cat. No.:	HY-149318
CAS No.:	926664-32-6
Molecular Formula:	C ₂₅ H ₂₄ ClN ₃ O ₄ S
Molecular Weight:	497.99
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	VRT-534 targets connexin 26 (Cx26). Vrt-534 exhibits dose-responsive binding to recombinant WT Cx26 and mutant Cx26 K188N with EC ₅₀ value of 19 μM and 5 μM, respectively. Vrt-534 can be used in research related to hearing impairment ^[1] .									
IC₅₀ & Target	Cx26 19 μM (EC50)									
In Vitro	<p>VRT-534 (Compound 3) (50 μM; 24h) restores the vitality of HeLa cells^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>HeLa cells</td> </tr> <tr> <td>Concentration:</td> <td>50 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>24 h</td> </tr> <tr> <td>Result:</td> <td>Had a restorative effect on Cx26 mutants L90P and F161S in Hela cells.</td> </tr> </table>		Cell Line:	HeLa cells	Concentration:	50 μM	Incubation Time:	24 h	Result:	Had a restorative effect on Cx26 mutants L90P and F161S in Hela cells.
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Concentration:	50 μM									
Incubation Time:	24 h									
Result:	Had a restorative effect on Cx26 mutants L90P and F161S in Hela cells.									

REFERENCES

[1]. Wang D, et al. A Chemical Chaperone Restores Connexin 26 Mutant Activity. ACS Pharmacol Transl Sci. 2023 Jun 1;6(7):997-1005.

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

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