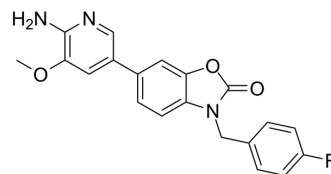


TNIK-IN-4

Cat. No.:	HY-143436
CAS No.:	2754266-04-9
Molecular Formula:	C ₂₀ H ₁₆ FN ₃ O ₃
Molecular Weight:	365.36
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	TNIK-IN-4 is a potent TNIK inhibitor with IC ₅₀ of 0.61 μM. TNIK-IN-4 has inhibitory activity against typical colorectal cancer cell line HCT116 ^[1] .								
IC₅₀ & Target	IC ₅₀ : 0.61 μM (TNIK) ^[1]								
In Vitro	<p>TNIK-IN-4 (compound 5a) (0.4-100 μM; 72 hours) has inhibitory activity against typical colorectal cancer cell line HCT116 with IC₅₀ of 36.423 μM^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Proliferation Assay</p> <table border="1"> <tr> <td>Cell Line:</td> <td>HCT116 cells^[1]</td> </tr> <tr> <td>Concentration:</td> <td>0.4, 1.2, 3.7, 11.1, 33.3 and 100 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>72 hours</td> </tr> <tr> <td>Result:</td> <td>Showed inhibitory activity against typical colorectal cancer cell line HCT116 with IC₅₀ of 36.423 μM.</td> </tr> </table>	Cell Line:	HCT116 cells ^[1]	Concentration:	0.4, 1.2, 3.7, 11.1, 33.3 and 100 μM	Incubation Time:	72 hours	Result:	Showed inhibitory activity against typical colorectal cancer cell line HCT116 with IC ₅₀ of 36.423 μM.
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REFERENCES

[1]. Luo X, Yang R, Li Y, Zhang L, Yang S, Li L. Discovery of benzo[d]oxazol-2(3H)-one derivatives as a new class of TNIK inhibitors for the treatment of colorectal cancer. *Bioorg Med Chem Lett.* 2022;67:128745.

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

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