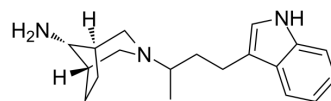


UHMCP1

Cat. No.:	HY-148384
CAS No.:	2103079-87-2
Molecular Formula:	C ₁₉ H ₂₇ N ₃
Molecular Weight:	297.44
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	UHMCP1 is a chemical probe of U2AF homology motifs (UHM) with a K _d of 79 μM. UHMCP1 prevents the SF3b155/U2AF65 interaction, impacts RNA splicing and cell viability. UHMCP1 has potential anticancer properties ^[1] .								
IC₅₀ & Target	K _d : 79 μM (UHM domain) ^[1]								
In Vitro	<p>UHMCP1 (25-400 μM) reduces the binding of purified U2AF⁶⁵ to SF3b155 by 75%, exhibiting a simple, non-cooperative binding mode with K_d around 30 μM for U2AF⁶⁵^[1].</p> <p>UHMCP1 (0-200 μM; 24 h) exhibits a certain effect on cell viability of HEK293^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>HEK293 cells</td> </tr> <tr> <td>Concentration:</td> <td>0-100 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>24 h</td> </tr> <tr> <td>Result:</td> <td>Inhibited cell viability with an EC₅₀ value of 140 μM.</td> </tr> </table>	Cell Line:	HEK293 cells	Concentration:	0-100 μM	Incubation Time:	24 h	Result:	Inhibited cell viability with an EC ₅₀ value of 140 μM.
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Concentration:	0-100 μM								
Incubation Time:	24 h								
Result:	Inhibited cell viability with an EC ₅₀ value of 140 μM.								

REFERENCES

[1]. Kobayashi A, et al. Identification of a small molecule splicing inhibitor targeting UHM domains. FEBS J. 2022 Feb;289(3):682-698.

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

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