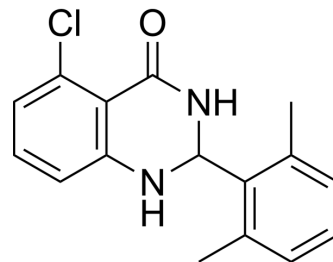


PBRM1-BD2-IN-7

Cat. No.:	HY-151534
CAS No.:	2819989-68-7
Molecular Formula:	C ₁₆ H ₁₅ ClN ₂ O
Molecular Weight:	286.76
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PBRM1-BD2-IN-7 is a selective and cell-active polybromo-1 (PBRM1) bromodomain inhibitor. PBRM1-BD2-IN-7 has inhibitory activity for PBRM1-BD2 with an IC ₅₀ value of 0.29 μM. PBRM1-BD2-IN-7 can be used for the research of cancer ^[1] .								
IC₅₀ & Target	IC ₅₀ : 0.29 μM (PBRM1-BD2) ^[1] .								
In Vitro	<p>PBRM1-BD2-IN-7 (0, 0.1, 1, and 10 μM; 5 days) selectively inhibit growth of a PBRM1-dependent prostate cancer cell line^[1]. PBRM1-BD2-IN-7 has inhibitory activity for PBRM1-BD2 with IC₅₀ value of 0.29 μM^[1]. 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>Human prostate cell lines LNCaP, PC3, and RWPE-1</td> </tr> <tr> <td>Concentration:</td> <td>0, 0.1, 1, and 10 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>5 days</td> </tr> <tr> <td>Result:</td> <td>Inhibited LNCaP growth at higher concentrations.</td> </tr> </table>	Cell Line:	Human prostate cell lines LNCaP, PC3, and RWPE-1	Concentration:	0, 0.1, 1, and 10 μM	Incubation Time:	5 days	Result:	Inhibited LNCaP growth at higher concentrations.
Cell Line:	Human prostate cell lines LNCaP, PC3, and RWPE-1								
Concentration:	0, 0.1, 1, and 10 μM								
Incubation Time:	5 days								
Result:	Inhibited LNCaP growth at higher concentrations.								

REFERENCES

[1]. Shifali Shishodia, et al. Selective and Cell-Active PBRM1 Bromodomain Inhibitors Discovered through NMR Fragment Screening. J Med Chem. 2022 Oct 13.

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

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