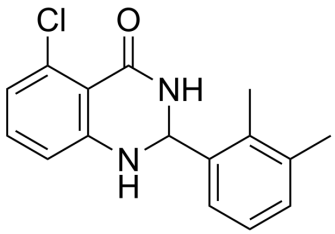
PBRM1-BD2-IN-6

Cat. No.:	HY-151533
CAS No.:	2819989-67-6
Molecular Formula:	$C_{16}H_{15}ClN_2O$
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-6 is a potent PBRM1 bromodomain inhibitor with an IC_{50} value of 0.22 μM. PBRM1-BD2-IN-6 shows antiproliferation activity. PBRM1-BD2-IN-6 has the potential for the research of PBRM1-dependent cancer[1].
IC_{50} & Target	IC_{50}: 0.22 nM (PBRM1-BD2)[1]
In Vitro	PBRM1-BD2-IN-6 (compound 25) (0.1, 1, 10 μM; 5 days) shows antiproliferation activity with IC_{50} values of 0.66, 0.77, 0.32 μM for LNCaP, PC3, HEK293T cells, respectively[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Proliferation Assay[1]

Cell Line:	LNCaP, PC3, HEK293T cells
Concentration:	0.1, 1, 10 μM
Incubation Time:	5 days
Result:	Inhibited the cell growth with IC_{50} values of 0.66, 0.77, 0.32 μM for LNCaP, PC3, HEK293T cells, respectively.

REFERENCES

[1]. Shishodia S, 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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