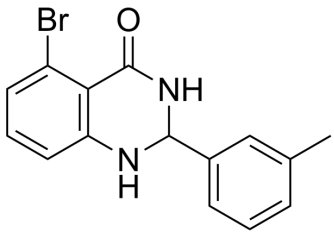
PBRM1-BD2-IN-8

Cat. No.:	HY-151538
CAS No.:	2819989-75-6
Molecular Formula:	$C_{15}H_{13}BrN_2O$
Molecular Weight:	317.18
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



BIOLOGICAL ACTIVITY

Description	PBRM1-BD2-IN-8 (compound 34) is a potent PBRM1 Bromodomain inhibitor (PBRM1-BD2 K_d=4.4 μM, PBRM1-BD2 IC_{50}=0.16 μM; PBRM1-BD5 K_d=25 μM). PBRM1-BD2-IN-8 shows anti-cancer activity[1].
IC_{50} & Target	IC_{50}: 0.16 μM (PBRM1-BD2)[1]
In Vitro	PBRM1-BD2-IN-8 (0-100 μM; 48 h) inhibits the growth of PBRM1-dependent prostate cancer cells[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay[1]

Cell Line:	LNCaP cells
Concentration:	0-100 μM
Incubation Time:	48 hours
Result:	Inhibited the growth of LNCaP cells with IC_{50} value of about 9 μM.

REFERENCES

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

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