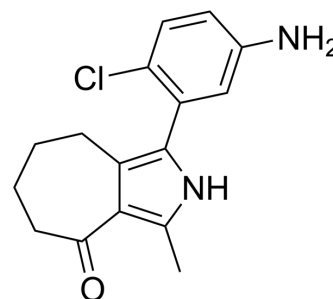


Bromodomain IN-2

Cat. No.:	HY-149806
CAS No.:	2445335-77-1
Molecular Formula:	C ₁₆ H ₁₇ ClN ₂ O
Molecular Weight:	288.77
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BD-IN-1 is a pan bromodomain (BD) inhibitor with K _D values of 250, 420, 130, 430, 67, 240, 970 nM for BRD4(1), CBP, BRPF1B, BRD7, BRD9, BRDT(1), CECR2 respectively. BD-IN-1 shows antiproliferative activity ^[1] .			
IC₅₀ & Target	BRD4(1) 250 nM (Kd)	BRPF1b 130 nM (Kd)	BRD7 430 nM (Kd)	BRD9 67 nM (Kd)
	BRDT (1) 240 nM (Kd)	CBP 420 nM (Kd)	CECR2 970 nM (Kd)	
In Vitro	BD-IN-1 (compound 3; 0-100 μM) shows antiproliferative activity with GI ₅₀ s of 182, 479, 708 nM for SNB-75, UO-31, CAKI-1 cells, and 13.2, 12.0, 10.2 μM for DU-145, SW-620, NCI-H460 cells, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.			

REFERENCES

[1]. Warstat R, et al. A novel pan-selective bromodomain inhibitor for epigenetic drug design. Eur J Med Chem. 2023 Mar 5;249:115139.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA