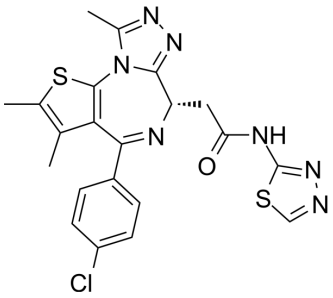
SJ1461

Cat. No.:	HY-149098
CAS No.:	2924546-70-1
Molecular Formula:	$C_{21}H_{18}ClN_7OS_2$
Molecular Weight:	484
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SJ1461 is a potent and orally active BET inhibitor. SJ1461 inhibits BRD2 (BD1), and BRD2 (BD2), BRD4 (BD1), and BRD4 (BD2) with IC_{50} values of 1.6 nM, 0.1 nM, 6.5 nM, and 0.2 nM, respectively[1].			
IC_{50} & Target	BRD2 (BD1) 1.6 nM (IC_{50})	BRD2 (BD2) 0.1 nM (IC_{50})	BRD4 (BD1) 6.5 nM (IC_{50})	BRD4 (BD2) 0.2 nM (IC_{50})
In Vitro	SJ1461 inhibits cancer cells growth of MV4-11, NALM-16, MOLM-13, HDMB03, and D283 cells, with IC_{50} values of 20 nM, 3.6 nM, 10.2 nM, 6.6 nM, and 56.2 nM, respectively[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.			

REFERENCES

[1]. Mladen Koravovic, et al. From PROTAC to inhibitor: Structure-guided discovery of potent and orally bioavailable BET inhibitors. Eur J Med Chem. 2023 May 5;251:115246.

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