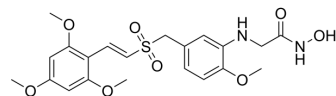


XSJ-10

Cat. No.:	HY-157740
Molecular Formula:	C ₂₁ H ₂₆ N ₂ O ₈ S
Molecular Weight:	466.5
Target:	HDAC
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	XSJ-10 is a HDAC inhibitor containing a RAS/RAF protein interfering unit, with IC ₅₀ s of 0.05 and 0.04 μM in PANC-1 cells and HT-29 cells. XSJ-10 can effectively induce the apoptosis of cancer cells and suppress the tumor by strongly inhibiting the RAS-RAF-MEK-ERK signaling pathway and the acetylation level of HDAC3 ^[1] .			
IC₅₀ & Target	HDAC1 11.37 nM (IC ₅₀)	HDAC2 9.97 nM (IC ₅₀)	HDAC3 8.97 nM (IC ₅₀)	HDAC8 88.64 nM (IC ₅₀)
	HDAC4 75.05 nM (IC ₅₀)	HDAC5 75.14 nM (IC ₅₀)	HDAC7 121.28 nM (IC ₅₀)	HDAC9 83.67 nM (IC ₅₀)
	HDAC6 67.04 nM (IC ₅₀)	HDAC10 77.55 nM (IC ₅₀)	HDAC11 72.54 nM (IC ₅₀)	

REFERENCES

[1]. Wang Y, et al. Multitargeting HDAC Inhibitors Containing a RAS/RAF Protein Interfering Unit. J Med Chem. 2024 Feb 8;67(3):2066-2082.

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

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