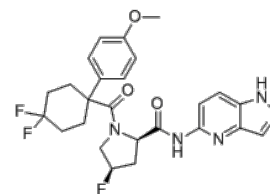


Product Name	: DS-9300
Cat. No.	: PC-49530
CAS No.	: 2259641-46-6
Molecular Formula	: C ₂₅ H ₂₆ F ₃ N ₅ O ₃
Molecular Weight	: 501.510
Target	: Histone Acetyltransferase (HAT)
Solubility	: 10 mM in DMSO



Biological Activity

DS-9300 (DS9300) is a highly potent, selective and orally active **EP300/CBP histone acetyltransferase** (HAT) inhibitor with IC50 of 28 nM, inhibits cellular acetylation of histone H3K27 (H3K27Ac) with IC50 of 54 nM.

DS-9300 inhibits VCaP cell growth with GI50 of 0.6 nM, and DS-9300 (3 mg/kg, once daily, oral) demonstrated potent antitumor effects in a castrated VCaP xenograft mouse model without significant body weight loss.

References

Kanada R, et al. *J Med Chem.* 2022 Dec 26. doi: 10.1021/acs.jmedchem.2c01641.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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