

Data Sheet

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Product Name : VK-1850 Cat. No. : PC-36125

CAS No. :

Molecular Formula: C₂₉H₂₅NO₅S Molecular Weight: 499.581 Target: Other Targets Solubility: 10 mM in DMSO

Biological Activity

VK-1850 (VK1850) is a small-molecule inhibitor of the DNA binding activity of **EBNA1** (Epstein-Barr nuclear antigen1). VK-1850 selectively inhibits proliferation of EBV-positive cells (C666-1 CC50=7.6 uM) but not similarly growing EBV-negative cells.

VK-1850 potently inhibits EBNA1-dependent OriP DNA replicationm without effect on EBNA1 protein expression in EBV-positive NPC cell line, C666-1.

VK-1850 significantly blocks EBV-positive tumor growth in vivo (10 mg/kg, intraperitoneally, TGI=91.3%), block EBV gene transcription and alter the cellular TGF- β signaling pathway in NPC tumor xenografts.

References

Messick TE, et al. Sci Transl Med. 2019 Mar 6;11(482). pii: eaau5612. doi: 10.1126/scitranslmed.aau5612.

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

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