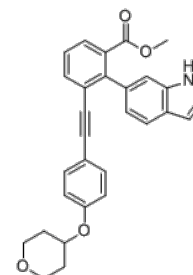


**Product Name** : VK-1727  
**Cat. No.** : PC-36124  
**CAS No.** :  
**Molecular Formula** : C<sub>29</sub>H<sub>25</sub>NO<sub>4</sub>  
**Molecular Weight** : 451.522  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

VK-1727 (VK1727) is a small-molecule inhibitor of the DNA binding activity of **EBNA1** (Epstein-Barr nuclear antigen1). VK-1727 selectively inhibits proliferation of EBV-positive cells (C666-1 CC<sub>50</sub>=6.3 uM) but not similarly growing EBV-negative cells.

VK-1727 potently inhibits EBNA1-dependent OriP DNA replication without effect on EBNA1 protein expression in EBV-positive NPC cell line, C666-1.

VK-1727 significantly blocks EBV-positive tumor growth in vivo (10 mg/kg, intraperitoneally, TGI=88.3%), 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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