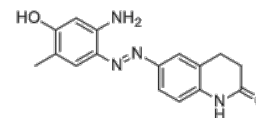


Product Name : ZL0420
Cat. No. : PC-35096
CAS No. : 2229039-45-4
Molecular Formula : C₁₆H₁₆N₄O₂
Molecular Weight : 296.33
Target : Bromodomain
Solubility : 10 mM in DMSO



Biological Activity

ZL0420 (ZL-0420) is a potent, highly selective **BRD4** inhibitor with IC₅₀ of 27 and 32 nM for BRD4-BD1 and BRD4-BD2, respectively.

ZL0420 (ZL-0420) displays selectivity over BRD2, BRD3, and BRDT (BRD2-BD1 and BRD2-BD2, IC₅₀=803 and 1736 nM). ZL0420 (ZL-0420) disrupts the BRD4 complex with Pol II and histones, inhibits poly(I:C)-induced expression of innate immune genes IL6 and CIG5 in human small airway epithelial cells (hSAECs) (IC₅₀=0.54 and 0.51 μM).

ZL0420 (ZL-0420) blocks Poly(I:C)-induced inflammation and neutrophilia in vivo.

References

Tian B, et al. *Cell Rep.* 2018 Apr 24;23(4):1138-1151.

Liu Z, et al. *Eur J Med Chem* 2018 May 10;151:450-461.

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

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