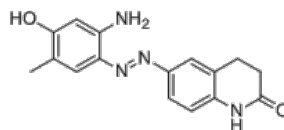


Product Name	: ZL0420
Synonyms	: ZL-0420; ZL 0420
Cat No.	: M13567
CAS Number	: 2229039-45-4
Molecular Formula	: C ₁₆ H ₁₆ N ₄ O ₂
Formula Weight	: 296.33
Chemical Name	: (E)-6-((2-amino-4-hydroxy-5-methylphenyl)diazenyl)-3,4-dihydroquinolin-2(1H)-one



Description	: ZL0420 is a potent, highly selective BRD4 inhibitor with IC ₅₀ of 27 and 32 nM for BRD4-BD1 and BRD4-BD2, respectively; displays selectivity over BRD2, BRD3, and BRDT (BRD2-BD1 and BRD2-BD2, IC ₅₀ =803 and 1736 nM); 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) (IC ₅₀ =0.54 and 0.51 uM); blocks Poly(I:C)-induced inflammation and neutrophilia in vivo.
Pathway	: Chromatin/Epigenetic
Target	: Bromodomain
Receptor	: Bromodomain
Solubility	: —
SMILES	: <chem>CC1=C(O)C=C(N)C(/N=N/C2=CC(CCC(N3)=O)=C3C=C2)=C1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Tian B, et al. Cell Rep. 2018 Apr 24;23(4):1138-1151. | 2. Liu Z, et al. Eur J Med Chem 2018 May 10;151:450-461.