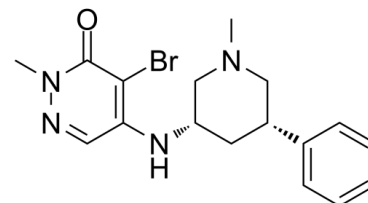


Data Sheet

Product Name:	GSK4028
Cat. No.:	CS-0058953
CAS No.:	2079886-19-2
Molecular Formula:	C ₁₇ H ₂₁ BrN ₄ O
Molecular Weight:	377.28
Target:	Epigenetic Reader Domain; Histone Acetyltransferase
Pathway:	Epigenetics
Solubility:	DMSO : 100 mg/mL (265.06 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

GSK4028 is the enantiomeric negative control of GSK4027, which is a PCAF/GCN5 bromodomain chemical probe, the **pIC₅₀** of GSK4028 is 4.9 in a time-resolved fluorescence resonance energy transfer (TR-FRET) assay. IC₅₀ & Target: pIC₅₀: 4.9 (PCAF/GCN5)^[1]. **In Vitro:** GSK4028 is the enantiomeric negative control of GSK4027, which is a PCAF/GCN5 bromodomain chemical probe, the pIC₅₀ of GSK4028 is 4.9. GSK4028 also demonstrates potency toward BRD4 BD1 and BRD9 in TR-FRET assay with pIC₅₀s of <4.3 and 4.5±0.13, respectively^[1].

References:

[1]. Humphreys PG, et al. Discovery of a Potent, Cell Penetrant, and Selective p300/CBP-Associated Factor (PCAF)/General Control Nonderepressible 5 (GCN5) Bromodomain Chemical Probe. J Med Chem. 2017 Jan 26;60(2):695-709.

CAIndexNames:

3(2H)-Pyridazinone, 4-bromo-2-methyl-5-[[[(3S,5S)-1-methyl-5-phenyl-3-piperidinyl]amino]-

SMILES:

BrC1=C(N[C@H]2C[C@@H](C3=CC=CC=C3)CN(C)C2)C=NN(C)C1=O

Caution: Product has not been fully validated for medical applications. For research use only.

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