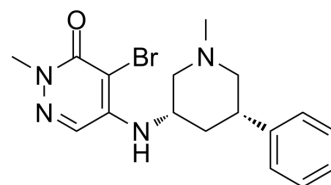


## GSK4028

<b>Cat. No.:</b>	HY-101027A		
<b>CAS No.:</b>	2079886-19-2		
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>21</sub> BrN <sub>4</sub> O		
<b>Molecular Weight:</b>	377		
<b>Target:</b>	Epigenetic Reader Domain; Histone Acetyltransferase		
<b>Pathway:</b>	Epigenetics		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (265.25 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	2.6525 mL	13.2626 mL	26.5252 mL
		5 mM	0.5305 mL	2.6525 mL	5.3050 mL
10 mM		0.2653 mL	1.3263 mL	2.6525 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (6.63 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.63 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (6.63 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	GSK4028 is the enantiomeric negative control of GSK4027, which is a PCAF/GCN5 bromodomain chemical probe, the pIC <sub>50</sub> of GSK4028 is 4.9 in a time-resolved fluorescence resonance energy transfer (TR-FRET) assay.
<b>IC<sub>50</sub> &amp; Target</b>	pIC <sub>50</sub> : 4.9 (PCAF/GCN5) <sup>[1]</sup> .
<b>In Vitro</b>	GSK4028 is the enantiomeric negative control of GSK4027, which is a PCAF/GCN5 bromodomain chemical probe, the pIC <sub>50</sub> of GSK4028 is 4.9. GSK4028 also demonstrates potency toward BRD4 BD1 and BRD9 in TR-FRET assay with pIC <sub>50</sub> s of <4.3 and

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4.5±0.13, respectively<sup>[1]</sup>.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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[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.

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

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