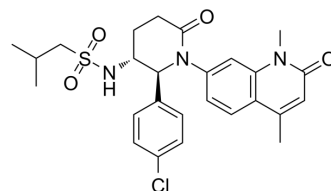


## (2S,3R)-LP99

Cat. No.:	HY-116227
CAS No.:	1808948-28-8
Molecular Formula:	C <sub>26</sub> H <sub>30</sub> ClN <sub>3</sub> O <sub>4</sub> S
Molecular Weight:	516.05
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	(2S,3R)-LP99 is a potent and selective BRD7 and BRD9 inhibitor with an K <sub>D</sub> of 99 nM for BRD9. (2S,3R)-LP99 inhibits the association of BRD7 and BRD9 to acetylated histones in vitro and in cells. (2S,3R)-LP99 demonstrates that BRD7/9 plays a role in regulating pro-inflammatory cytokine secretion <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	BRD7	BRD9 99 nM (K <sub>d</sub> )
<b>In Vitro</b>	(2S,3R)-LP99 (compound 60) (0-100 μM) inhibits the expression of IL6 in LPS-stimulated (100 ng/mL) THP-1 cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

### REFERENCES

[1]. Clark PG, et al. LP99: Discovery and Synthesis of the First Selective BRD7/9 Bromodomain Inhibitor. Angew Chem Int Ed Engl. 2015 May 18;54(21):6217-21.

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

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