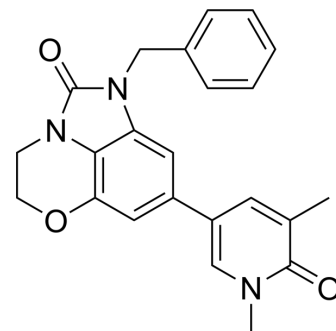


## BRD4 Inhibitor-28

Cat. No.:	HY-149519
CAS No.:	2468960-80-5
Molecular Formula:	C <sub>23</sub> H <sub>21</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	387.43
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>	BRD4 Inhibitor-28 (Compound 18) is an orally active BRD4 Inhibitor. BRD4 Inhibitor-28 inhibits BRD40-BD1, BRD40-BD2 with IC <sub>50</sub> s of 15, 55 nM. BRD4 Inhibitor-28 also inhibits BRD2-BD1, BRD3-BD1, BRDT-BD1 with IC <sub>50</sub> s of 19, 25, 68 nM. BRD4 Inhibitor-28 has anti-melanoma activity <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	15, 55, 19, 25, 68 nM (BRD40-BD1, BRD40-BD2, BRD2-BD1, BRD3-BD1, BRDT-BD1, BRD2-BD1, BRD3-BD1, BRDT-BD1) <sup>[1]</sup>

### REFERENCES

[1]. Horai Y, et al. Discovery of a potent, orally available tricyclic derivative as a novel BRD4 inhibitor for melanoma. *Bioorg Med Chem*. 2023 Aug 26;93:117461.

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

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