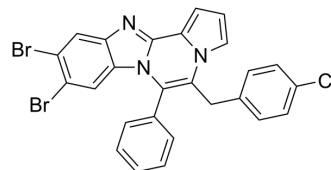


## YIAD-0205

Cat. No.:	HY-149430
CAS No.:	2446054-34-6
Molecular Formula:	C <sub>26</sub> H <sub>16</sub> Br <sub>2</sub> ClN <sub>3</sub>
Molecular Weight:	565.69
Target:	Amyloid-β
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	YIAD-0205 is an orally available Aβ(1?42) aggregation inhibitor. YIAD-0205 demonstrated in vivo efficacy in an AD transgenic mouse model with five familial AD mutations (5XFAD) <sup>[1]</sup> .
<b>In Vitro</b>	YIAD-0205 10 μM, 100 μM inhibits Aβ(1?42) aggregation <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	YIAD-0205 (50 mg/kg; po; two times per week for one month) reduces the level of Aβ plaques and Aβ oligomers in 6.0-month-old 5XFAD mouse model <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Cha M, et al. Benzo [d] imidazole-pyrrolo [1, 2-a] pyrazine Hybrids Ameliorate Amyloid Aggregates in the Brain of Alzheimer Transgenic Mice[J]. ACS Chemical Neuroscience, 2023, 14(17): 3025-3034...

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

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