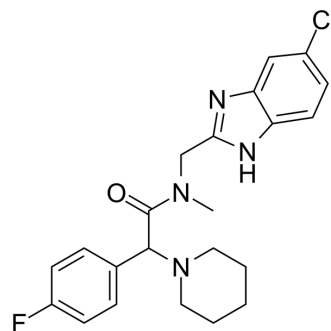


## AD-5584

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-161116   |
| CAS No.:           | 2306525-79-9  |
| Molecular Formula: | C <sub>22</sub> H <sub>24</sub> ClFN <sub>4</sub> O                                       |
| Molecular Weight:  | 414.9   |
| Target:            | Others  |
| Pathway:           | Others  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                           |  |
|---------------------------|--|
| Description               | AD-5584 is an ACSS2 inhibitor with blood-brain permeability. AD-5584 can significantly reduce lipid storage, reduce colony formation, and increase cell death. AD-5584 has antitumor activity <sup>[1]</sup> . |
| IC <sub>50</sub> & Target | ACSS2 <sup>[1]</sup>   |

### REFERENCES

[1]. Esquea E, et al. Discovery of novel brain permeable human ACSS2 inhibitors for blocking breast cancer brain metastatic growth. bioRxiv [Preprint]. 2023 Dec 23:2023.12.22.573073.

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

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