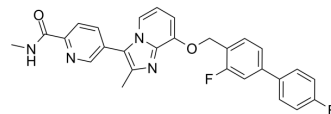


## γ-Secretase modulator 11

Cat. No.:	HY-147720
CAS No.:	2434630-29-0
Molecular Formula:	C <sub>28</sub> H <sub>22</sub> F <sub>2</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	484.5
Target:	γ-secretase
Pathway:	Neuronal Signaling; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

5-{8-[(3,4'- difluoro [1,1'- biphenyl]-4-yl) methoxy] - 2-methylimidazo [1,2-a] pyridin-3-yl}-n-methylpyridin-2-formamide (1o) showed high potency in vitro and brain exposure, inducing brain a β 42 levels were significantly reduced and showed undetectable inhibition of cytochrome P450 enzymes. In addition, compound 1o showed excellent anti cognitive deficit effect in AD model mice.

### REFERENCES

[1]. Sekioka R, et al. Optimization and biological evaluation of imidazopyridine derivatives as a novel scaffold for γ-secretase modulators with oral efficacy against cognitive deficits in Alzheimer's disease model mice. *Bioorg Med Chem.* 2020 Jun 1;28(11):115455.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA