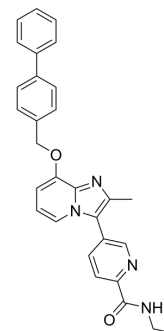


A β 42-IN-1 free base

Cat. No.:	HY-130609A
CAS No.:	2434633-17-5
Molecular Formula:	C ₂₉ H ₂₆ N ₄ O ₂
Molecular Weight:	462.54
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	A β 42-IN-1 free base (compound 1v) is an orally active, high brain exposure γ -secretase modulator. A β 42-IN-1 free base potentially reduces A β 42 levels with an IC ₅₀ value of 0.091 μ M, and significantly reduces brain A β 42 levels in mice. A β 42-IN-1 free base is a promising compound for the treatment of Alzheimer's disease ^[1] .								
In Vivo	<p>Aβ42-IN-1 free base treatment shows that the CL_{int} value is 84.7 μL/min/mg protein^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Nonfasted 8-week-old male ddY mice^[1]</td> </tr> <tr> <td>Dosage:</td> <td>30 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>p.o. (Pharmacokinetic Analysis)</td> </tr> <tr> <td>Result:</td> <td>The CL_{int} is 84.7 μL/min/mg protein.</td> </tr> </table>	Animal Model:	Nonfasted 8-week-old male ddY mice ^[1]	Dosage:	30 mg/kg	Administration:	p.o. (Pharmacokinetic Analysis)	Result:	The CL _{int} is 84.7 μ L/min/mg protein.
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Administration:	p.o. (Pharmacokinetic Analysis)								
Result:	The CL _{int} is 84.7 μ L/min/mg protein.								

REFERENCES

[1]. Sekioka R, et al. Discovery of N-ethylpyridine-2-carboxamide derivatives as a novel scaffold for orally active γ -secretase modulators. *Bioorg Med Chem*. 2020 Jan 1;28(1):115132.

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