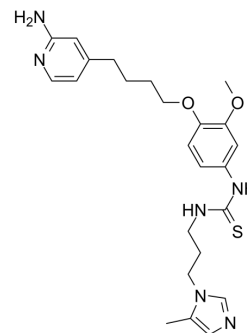


Glutaminyl Cyclase Inhibitor 3

Cat. No.:	HY-101282
CAS No.:	2092921-50-9
Molecular Formula:	C ₂₄ H ₃₂ N ₆ O ₂ S
Molecular Weight:	468.61
Target:	Amyloid- β
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Glutaminyl Cyclase Inhibitor 3 (compound 212), a designed anti-Alzheimer's compound, is a potent human Glutaminyl Cyclase (GC) inhibitor, with an IC ₅₀ of 4.5 nM. Glutaminyl Cyclase-IN-1 (compound 212) significantly reduced the brain concentrations of pyroform A β and total A β and restored cognitive functions ^[1] .
IC ₅₀ & Target	IC ₅₀ : 4.5 nM (hGC) ^[1] .

REFERENCES

[1]. Hoang VH, et al. Discovery of Potent Human Glutaminyl Cyclase Inhibitors as Anti-Alzheimer's Agents Based on Rational Design. J Med Chem. 2017 Mar 23;60(6):2573-2590.

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

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