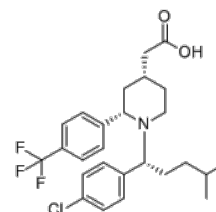


Product Name : GSM-1
Cat. No. : PC-35113
CAS No. : 884600-68-4
Molecular Formula : C₂₆H₃₁ClF₃NO₂
Molecular Weight : 481.98
Target : γ -secretase
Solubility : 10 mM in DMSO



Biological Activity

GSM-1 (GSM1) is a **γ -secretase** modulator that directly targets the transmembrane domain (TMD) 1 of **presenilin 1**, shows potent A β 42-lowering effect (IC₅₀=0.348 μ M) in a cell-based assay.

GSM-1 does not affect total A β and its C-terminal counterpart product, APP intracellular domain (AICD), selectively reduced the A β 42 generation accompanied by an increase in A β 38 in in-vitro assay.

GSM-1 decreases the ratio of A β 42 to A β 40 to 60% in plasma and the ratio of A β 42 to total A β to 65% in cerebrospinal fluid from baseline to postdosing in monkeys (30 mg/kg)

References

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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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