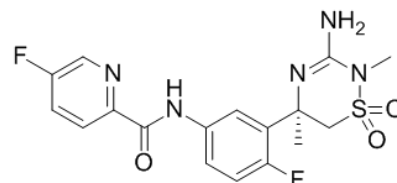


Product Name : Verubecestat
Cat. No. : PC-45073
CAS No. : 1286770-55-5
Molecular Formula : C₁₇H₁₇F₂N₅O₃S
Molecular Weight : 409.4104
Target : Beta-secretase (BACE)
Solubility : DMSO: ≥ 35 mg/mL



Biological Activity

Verubecestat (MK-8931) is a potent, selective, structurally unique **BACE** inhibitor with K_i of 2.2 nM and 0.38 nM for BACE1 and BACE2, respectively.

Verubecestat (MK-8931) displays high selectivity for BACE1 over other key aspartyl proteases, notably cathepsin D.

Verubecestat (MK-8931) reduces plasma, cerebrospinal fluid (CSF), and brain concentrations of A β 40, A β 42, and sAPP β .

Verubecestat (MK-8931) is well tolerated and produces reductions in A β 40, A β 42, and sAPP β in the CSF of both healthy human subjects and AD patients in clinical evaluation.

References

Kennedy ME, et al. *Sci Transl Med*. 2016 Nov 2;8(363):363ra150.

Scott JD, et al. *J Med Chem*. 2016 Dec 8;59(23):10435-10450.

Villarreal S, et al. *J Alzheimers Dis*. 2017;59(4):1393-1413.

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

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