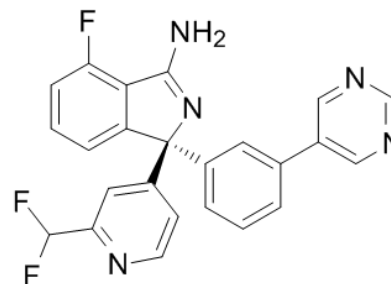


Product Name : AZD3839
Cat. No. : PC-43534
CAS No. : 1227163-84-9
Molecular Formula : C₂₄H₁₆F₃N₅
Molecular Weight : 431.4125
Target : Beta-secretase (BACE)
Solubility : 10 mM in DMSO



Biological Activity

AZD3839 (AZD-3839, AZD 3839) is a potent and selective **BACE1** inhibitor with K_i of 26 nM, displays 14- and >1000-fold selectivity against BACE2 and cathepsin D.

AZD3839 inhibits A β (A β 40 IC₅₀=4.8 nM) and sAPP β release from modified and wild-type human SH-SY5Y cells and mouse N2A cells as well as from mouse and guinea pig primary cortical neurons.

AZD3839 exhibits dose- and time-dependent lowering of plasma, brain, and cerebrospinal fluid A β levels in mouse, guinea pig, and non-human primate.

AZD3839 demonstrates significant reduction of β -amyloid peptides in mouse brain.

References

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

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