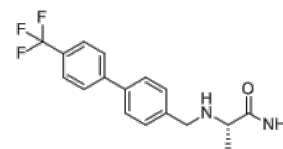


Product Name : KDS2010
Cat. No. : PC-36146
CAS No. : 1894207-44-3
Molecular Formula : C₁₇H₁₇F₃N₂O
Molecular Weight : 322.331
Target : Monoamine Oxidase (MAO)
Solubility : 10 mM in DMSO



Biological Activity

KDS2010 (KDS-2010, Tisolagiline) is a potent, highly selective, reversible **Monoamine oxidase-B (MAO-B)** inhibitor with IC₅₀ of 7.6 nM.

KDS2010 displays 12,500-fold selectivity over MAO-A.

KDS2010 shows a marked enantiomer selectivity (eightfold selectivity) over the (R)-isomer.

KDS2010 significantly ameliorates the impairments in spike probability, learning, and memory in APP/PS1 mice, but not by selegiline, also reverses spatial learning and memory impairments in the Morris water maze test.

References

Park JH, et al. *Sci Adv.* 2019 Mar 20;5(3):eaav0316. doi: 10.1126/sciadv.aav0316.

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

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