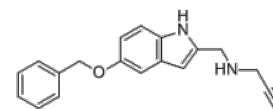


Product Name : PF9601N
Cat. No. : PC-38442
CAS No. : 133845-63-3
Molecular Formula : C₁₉H₁₈N₂O
Molecular Weight : 290.366
Target : Monoamine Oxidase (MAO)
Solubility : 10 mM in DMSO



Biological Activity

PF9601N (FA-73) is a potent and selective, non-amphetamine type monoamine oxidase B (MAO-B) inhibitor with K_i of 0.75 and 800 nM for MAO-B and MAO-A, respectively.

PF9601N (FA-73) displays 1066 fold selectivity over MAO-A, and 48 times more selective than L-deprenyl.

PF9601N (FA-73) potently inhibits dopamine uptake in human caudate tissue with IC_{50} of 0.36 μ M.

PF9601N (FA-73) inhibits mouse brain MAO-B activity about 90% *ex vivo* inhibited by after 4 mg kg⁻¹ administration, with no effect on MAO-A.

PF9601N (FA-73) significantly reduced MPP(+)-induced caspase-2 activity and PUMA- α levels in SH-SY5Y human dopaminergic cells.

PF9601N (FA-73) has shown neuroprotective properties *in vivo* using different experimental models of Parkinson's disease.

References

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

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