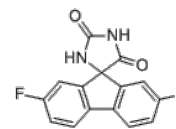


Product Name : Imirestat
Cat. No. : PC-20625
CAS No. : 89391-50-4
Molecular Formula : C₁₅H₈F₂N₂O₂
Molecular Weight : 286.24
Target : Aldose Reductase
Solubility : 10 mM in DMSO



CAS: 89391-50-4

Biological Activity

Imirestat (AL-1576) is a potent **aldose reductase** inhibitor with IC₅₀ of 8.5 nM for rat lens aldose reductase, with similar IC₅₀ value for the human placental enzyme, shows high affinity for AKR1A1 and AKR1B1 with K_i of 47 and 46 nM respectively.

Imirestat (AL-1576) prevents significantly the decrease of norepinephrine (NE) turnover in three tissues of streptozotocin (STZ)-diabetic rats.

References

T T Yen, et al. Res Commun Chem Pathol Pharmacol. 1988 Aug;61(2):257-60.

Griffin BW, et al. Metabolism. 1987 May;36(5):486-90.

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

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