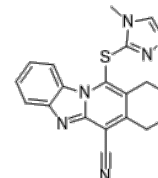


Product Name : M6766
Cat. No. : PC-25115
CAS No. : 696628-90-7
Molecular Formula : C₁₉H₁₆N₆S
Molecular Weight : 360.44
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 696628-90-7

Biological Activity

M6766 is a potent, selective inhibitor of endoplasmic reticulum oxidoreductase 1 α (**ERO1 α**) with IC₅₀ of 1.4 μ M and K_D of 1.1 μ M.

M6766 exhibits >70-fold selectivity over other tested enzymes, except ERO1 β (IC₅₀=7.2 μ M).

M6766 binds to the FAD-binding pocket in ERO1 α .

M6766 concentration-dependently inhibits granule secretion, α IIb β 3 integrin activation, Ca²⁺ mobilization, and platelet aggregation induced by various agonists, but it does not affect agonist-induced production of reactive oxygen species.

M6766 diminishes platelet accumulation on collagen-coated surfaces under arterial shear conditions.

M6766 decreases arterial thrombosis and infarct volume during ischemic stroke without prolonging tail bleeding times in mice.

References

Wang J, et al. *Mol Ther*. 2025 Jul 23:S1525-0016(25)00569-6.

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

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