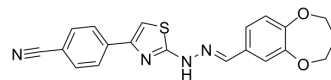


Aldose reductase-IN-6

Cat. No.:	HY-147875
CAS No.:	2470019-41-9
Molecular Formula:	C ₂₀ H ₁₆ N ₄ O ₂ S
Molecular Weight:	376.43
Target:	Aldose Reductase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Aldose reductase-IN-6 (Compound 3) is a competitive aldose reductase (AR) inhibitor with an IC ₅₀ of 3.164 μM and a K _i of 0.018 μM. Aldose reductase-IN-6 exhibits no cytotoxicity against healthy cells ^[1] .
IC ₅₀ & Target	IC ₅₀ : 3.164 μM (Aldose Reductase) ^[1]

REFERENCES

[1]. Sever B, et al. Design, synthesis, in vitro and in silico investigation of aldose reductase inhibitory effects of new thiazole-based compounds. Bioorg Chem. 2020 Sep;102:104110.

Caution: Product has not been fully validated for medical applications. For research use only.

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