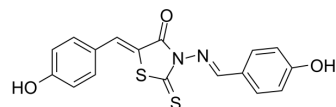


ALR2-IN-3

Cat. No.:	HY-151947
Molecular Formula:	C ₁₇ H ₁₂ N ₂ O ₃ S ₂
Molecular Weight:	356.42
Target:	Aldose Reductase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ALR2-IN-2 is a potent inhibitor of aldose reductase (ALR2), with IC ₅₀ s of 22 nM and 116 nM for rat ALR2 and ALR1, respectively. ALR2-IN-2 can be used for the research of diabetic complications ^[1] .
IC ₅₀ & Target	IC ₅₀ : 22 nM (rat ALR2), 116 nM (rat ALR1) ^[1]
In Vitro	ALR2-IN-2 (compound 2f) inhibits rat lens ALR2 and rat kidney ALR1, with IC ₅₀ s of 22 nM and 116 nM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kratky M, et, al. Novel rhodanine based inhibitors of aldose reductase of non-acidic nature with p-hydroxybenzylidene functional group. Eur J Med Chem. 2022 Nov 12;246:114922.

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

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