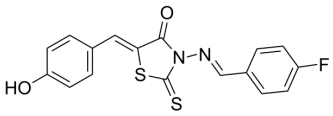
ALR2-IN-2

Cat. No.:	HY-151946
Molecular Formula:	$C_{17}H_{11}FN_2O_2S_2$
Molecular Weight:	358.41
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 27 nM and 228 nM for rat ALR2 and ALR1, respectively. ALR2-IN-2 can be used for the research of diabetic complications[1].
IC_{50} & Target	IC50: 27 nM (rat ALR2), 228 nM (rat ALR1)[1]
In Vitro	ALR2-IN-2 (compound 2d) inhibits rat lens ALR2 and rat kidney ALR1, with IC_{50}s of 27 nM and 228 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.

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