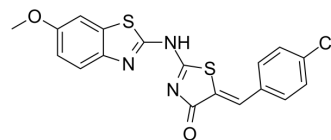


Aldose reductase-IN-3

Cat. No.:	HY-115977
CAS No.:	1390616-76-8
Molecular Formula:	C ₁₈ H ₁₂ ClN ₃ O ₂ S ₂
Molecular Weight:	401.89
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-3 (Compound 5) is a potent and moderately selective inhibitor of aldose reductase (AR) with an IC₅₀ of 3.99 μM. Aldose reductase has recently emerged as a molecular target that is involved in various inflammatory diseases, including sepsis. Aldose reductase-IN-3 has the potential for the research of sepsis^[1].

REFERENCES

[1]. Kousaxidis A, et al. Non-acidic bifunctional benzothiazole-based thiazolidinones with antimicrobial and aldose reductase inhibitory activity as a promising therapeutic strategy for sepsis [published online ahead of print, 2021 Aug 4]. *Med Chem Res.* 2021;1-12.

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

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