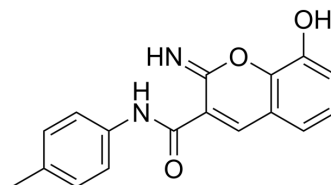


AKR1C3-IN-12

Cat. No.:	HY-163323
CAS No.:	891075-67-5
Molecular Formula:	C ₁₇ H ₁₄ N ₂ O ₃
Molecular Weight:	294.3
Target:	Aldose Reductase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AKR1C3-IN-12 (compound 2j) is an aldo-keto reductase 1C3 (AKR1C3) inhibitor with an IC ₅₀ of 27 nM. AKR1C3-IN-12 enhances the efficacy of Gemcitabine and Cisplatin in bladder cancer ^[1] .
IC ₅₀ & Target	IC50: 27 nM (AKR1C3) ^[1]

REFERENCES

[1]. Rin Himura, et al. Inhibition of aldo-keto reductase 1C3 overcomes gemcitabine/cisplatin resistance in bladder cancer. Chem Biol Interact. 2024 Jan 25;388:110840.

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

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