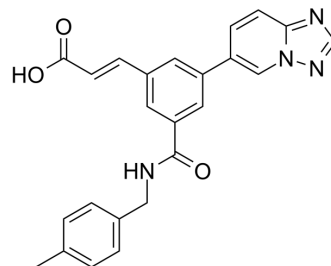


AKR1C3-IN-10

| | |
|--------------------|-------------------------------------------------------------------------------------------|
| Cat. No.: | HY-155502 |
| CAS No.: | 3028287-43-3 |
| Molecular Formula: | C ₂₄ H ₂₀ N ₄ O ₃ |
| Molecular Weight: | 412.44 |
| 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-10 (compound 5r) is a selective AKR1C3 inhibitor (IC ₅₀ =51 nM). AKR1C3-IN-10 shows good activity in a prostate cancer xenograft model ^[1] . |
| IC ₅₀ & Target | IC ₅₀ : 51 nM (AKR1C3) ^[1] . |

REFERENCES

[1]. Maddeboina K, et al. Aldo-Keto Reductase 1C3 Inhibitor Prodrug Improves Pharmacokinetic Profile and Demonstrates In Vivo Efficacy in a Prostate Cancer Xenograft Model. *J Med Chem.* 2023 Jul 27;66(14):9894-9915.

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

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