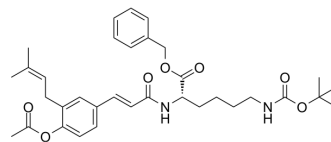


AKR1C3-IN-5

Cat. No.:	HY-144749
CAS No.:	2839142-93-5
Molecular Formula:	C ₃₄ H ₄₄ N ₂ O ₇
Molecular Weight:	592.72
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

AKR1C3-IN-5 (Compound 6e) is a potent inhibitor of AKR1C3. AKR1C3 enzyme is overexpressed in hormone-dependent prostate and breast tumors. AKR1C3-IN-5 derived from drupanin, which exhibits half-maximal inhibitory concentration (IC₅₀) of $9.6 \pm 3 \mu\text{M}$ and selectivity index (SI) of 5.5 against MCF-7 cells^[1].

REFERENCES

[1]. Rodrigues DM, et al. Synthesis, antitumor activity and in silico analyses of amino acid derivatives of artemillin C, drupanin and baccharin from green propolis. *Bioorg Med Chem.* 2021 Oct 1;47:116372.

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

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