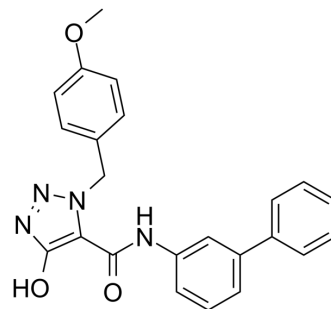


AKR1C3-IN-8

Cat. No.:	HY-146575
Molecular Formula:	C ₂₃ H ₂₀ N ₄ O ₃
Molecular Weight:	400.43
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AKR1C3-IN-8 (Compound 5) is a potent, selective AKR1C3 inhibitor with an IC ₅₀ of 0.069 μM. AKR1C3-IN-8 shows antitumor activity ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.069 μM (AKR1C3) ^[1]
In Vitro	AKR1C3-IN-8 (Compound 5) shows antiproliferative activity with an IC ₅₀ of 52.06 ± 0.99 μM against prostate cancer cell line 22rv1 ^[1] . AKR1C3-IN-8 (0-50 μM) inhibits PSA expression and testosterone production on 22RV1 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Pippione AC, et al. New aldo-keto reductase 1C3 (AKR1C3) inhibitors based on the hydroxytriazole scaffold. Eur J Med Chem. 2022 Jul 5;237:114366.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA