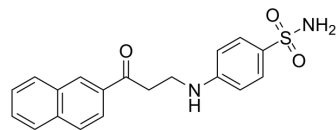


hCA IX-IN-1

Cat. No.:	HY-146007
Molecular Formula:	C ₁₉ H ₁₈ N ₂ O ₃ S
Molecular Weight:	354.42
Target:	Carbonic Anhydrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	hCA IX-IN-1 (Compound 6f) is a human carbonic anhydrase (hCA) inhibitor with K _i values of 331.4, 28.4, 9.4 and 17.8 nM against hCA I, hCA II, hCA IX and hCA XII, respectively. hCA IX-IN-1 shows anticancer activity ^[1] .
IC₅₀ & Target	K _i : 9.4 nM (hCA IX), 17.8 nM (hCA XII), 28.4 nM (hCA II), 331.4 nM (hCA I) ^[1]

REFERENCES

[1]. Elbadawi MM, et al. Development of 4-((3-oxo-3-phenylpropyl)amino)benzenesulfonamide derivatives utilizing tail/dual-tail approaches as novel carbonic anhydrase inhibitors. Eur J Med Chem. 2022 Apr 27;238:114412.

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

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