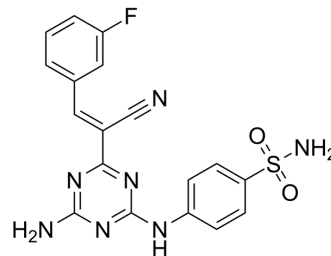


hCAIX-IN-15

Cat. No.:	HY-151632
CAS No.:	2849348-43-0
Molecular Formula:	C ₁₈ H ₁₄ FN ₇ O ₂ S
Molecular Weight:	411.41
Target:	Carbonic Anhydrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	hCAIX-IN-15 is a potent hCA IX inhibitor with a K _i value of 38.8 nM. hCAIX-IN-15 shows good broad-spectrum anticancer activity and can be used for cancer research ^[1] .
IC₅₀ & Target	hCA IX 38.8 nM (K _i)
In Vitro	hCAIX-IN-15 (compound 12i; 48 h) has best cytotoxicity towards renal cancer (UO-31), breast cancer (MDA-MB-468) and non-small cell lung cancer (HOP-92) cell lines, with GI% = 20%, 17% and 16% respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zain-Alabdeen AI, et, al. Synthesis and anticancer activity of new benzensulfonamides incorporating s-triazines as cyclic linkers for inhibition of carbonic anhydrase IX. Sci Rep. 2022 Oct 6;12(1):16756.

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

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