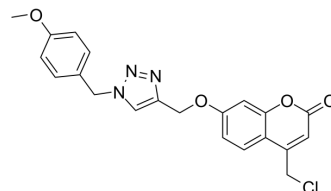


hCAXII-IN-2

Cat. No.:	HY-147829
CAS No.:	2497504-86-4
Molecular Formula:	C ₂₁ H ₁₈ ClN ₃ O ₄
Molecular Weight:	411.84
Target:	Carbonic Anhydrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	hCAXII-IN-2 (compound 5i) is a potent human carbonic anhydrase XII (hCA XII) and hCA IX inhibitor with K _i values of 84.2 nM and 268.5 nM, respectively. hCAXII-IN-2 shows less active against hCA I and hCA II ^[1] .
IC ₅₀ & Target	Ki: 84.2 nM (hCA XII) and 268.5 nM (hCA IX) ^[1]

REFERENCES

[1]. Pavitra S Thacker, et al. Synthesis and biological evaluation of some coumarin hybrids as selective carbonic anhydrase IX and XII inhibitors. Bioorg Chem. 2020 Nov;104:104272.

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

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