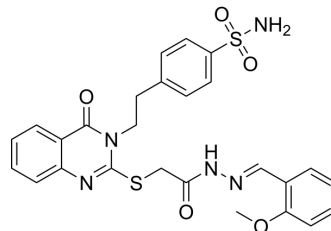


hCAIX/XII-IN-9

Cat. No.:	HY-162063
Molecular Formula:	C ₂₆ H ₂₅ N ₅ O ₅ S ₂
Molecular Weight:	551.64
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/XII-IN-9 (compound 8) is a potent carbonic anhydrase (CA) inhibitor with K _i values of 1658 nM, 184.8 nM, 8.9 nM, 64.8 nM for hCA I, hCA II, hCA IX, and hCA XII, respectively ^[1] .				
IC₅₀ & Target	hCA IX 8.9 nM (Ki)	hCA XII 64.8 nM (Ki)	hCA II 184.8 nM (Ki)	hCA I 1658 nM (Ki)	

REFERENCES

[1]. Adel S El-Azab, et al. Design, synthesis, and carbonic anhydrase inhibition activities of Schiff bases incorporating benzenesulfonamide scaffold: Molecular docking application. Saudi Pharm J. 2023 Dec;31(12):101866.

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

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