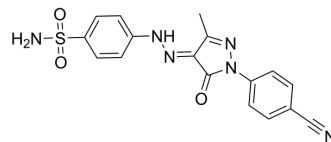


hCAIX/XII-IN-7

Cat. No.:	HY-156169
Molecular Formula:	C ₁₇ H ₁₄ N ₆ O ₃ S
Molecular Weight:	382.4
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-7 (compound 3e) is a potent hCA IX and XII inhibitor with K _i s of 3.2 nM, 9.2 nM, 503.7 nM and 59 nM for hCA I, hCA II, hCA IX and hCA XII, respectively. hCAIX/XII-IN-7 has the potential for hypoxic tumors research ^[1] .			
IC₅₀ & Target	hCA IX 3.2 nM (Ki)	hCA XII 9.2 nM (Ki)	hCA I 503.7 nM (Ki)	hCA II 59 nM (Ki)

REFERENCES

[1]. Suleyman Akocak, et al. Potent and selective carbonic anhydrase inhibition activities of pyrazolones bearing benzenesulfonamides. Bioorg Med Chem Lett. 2023 Oct 15;95:129479.

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