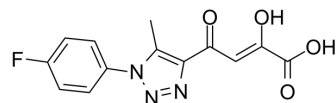


## hCAIX/XII-IN-11

Cat. No.:	HY-163414
Molecular Formula:	C <sub>13</sub> H <sub>10</sub> FN <sub>3</sub> O <sub>4</sub>
Molecular Weight:	291.23
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-11 (Compound 6c) is an inhibitor of hCA IX and hCA XII with a K <sub>i</sub> value of 0.7 μM for both the isoforms. hCAIX/XII-IN-11 can be used for anticancer research <sup>[1]</sup> .	
IC <sub>50</sub> & Target	hCA XII 0.7 μM (K <sub>i</sub> )	hCA IX 0.7 μM (K <sub>i</sub> )
In Vitro	hCAIX/XII-IN-11 shows cytotoxic activity against A549 lung cancer cells, with IC <sub>50</sub> value of 81 μM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

### REFERENCES

[1]. Siwach K, et al. 1,2,3-Triazole-based esters and carboxylic acids as nonclassical carbonic anhydrase inhibitors capable of cathepsin B inhibition. Arch Pharm (Weinheim). 2024 Mar;357(3):e2300372.

**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