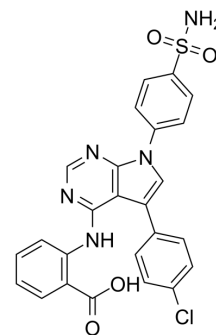


## hCAII-IN-2

Cat. No.:	HY-146355
CAS No.:	2408599-78-8
Molecular Formula:	C <sub>25</sub> H <sub>18</sub> ClN <sub>5</sub> O <sub>4</sub> S
Molecular Weight:	519.96
Target:	Carbonic Anhydrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	hCAII-IN-2 (Compound 11f) is a cytosolic human carbonic anhydrase (hCA) inhibitor with K <sub>i</sub> values of 261.4, 3.8, 19.6 and 45.2 nM against hCA I, hCA II, hCA IX and hCA XII, respectively <sup>[1]</sup> .
IC <sub>50</sub> & Target	K <sub>i</sub> : 3.8 nM (hCA II), 19.6 nM (hCA IX), 45.2 nM (hCA XII), 261.4 nM (hCA I) <sup>[1]</sup>

### REFERENCES

[1]. Khalil OM, et al. Pyrrolo and pyrrolopyrimidine sulfonamides act as cytotoxic agents in hypoxia via inhibition of transmembrane carbonic anhydrases. *Eur J Med Chem.* 2020 Feb 15;188:112021.

**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