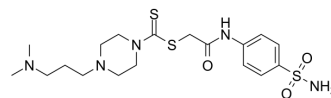


## hCAI/II-IN-1

<b>Cat. No.:</b>	HY-146385
<b>CAS No.:</b>	2422028-82-6
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>29</sub> N <sub>5</sub> O <sub>3</sub> S <sub>3</sub>
<b>Molecular Weight:</b>	459.65
<b>Target:</b>	Carbonic Anhydrase
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	hCAI/II-IN-1 (Compound 3h) is a human carbonic anhydrase I and II (hCA I/II) inhibitor with IC <sub>50</sub> values of 0.047 μM and 0.024 μM against hCA I and hCA II, respectively <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 0.024 μM (hCA II), 0.047 μM (hCA I) <sup>[1]</sup> K <sub>i</sub> : 0.013 μM (hCA II), 0.032 μM (hCA I) <sup>[1]</sup>

### REFERENCES

[1]. Sağlık BN, et al. Synthesis, characterization and carbonic anhydrase I and II inhibitory evaluation of new sulfonamide derivatives bearing dithiocarbamate. Eur J Med Chem. 2020 Jul 15;198:112392.

**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