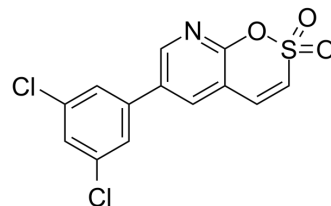


## CAXII-IN-1

<b>Cat. No.:</b>	HY-143460
<b>CAS No.:</b>	2479918-59-5
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>7</sub> Cl <sub>2</sub> NO <sub>3</sub> S
<b>Molecular Weight:</b>	328.17
<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>	CAXII-IN-1 (Compound 17) is a selective CA XII inhibitor with K <sub>i</sub> values of 3.8 nM and 56.0 nM against hCA XII and hCA IX, respectively. CAXII-IN-1 shows antitumor activity <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 3.8 nM (hCA XII), 56.0 nM (hCA IX) <sup>[1]</sup>
<b>In Vitro</b>	CAXII-IN-1 (Compound 17) shows cytotoxicity with IC <sub>50</sub> values of 20±1, 4.8±0.03 and 14±2 μM against MCF-7, HeLa and A549 cells, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Grandäe A, et al. Development of oxathiino[6,5-b]pyridine 2,2-dioxide derivatives as selective inhibitors of tumor-related carbonic anhydrases IX and XII. Eur J Med Chem. 2020 Aug 15;200:112300.

**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