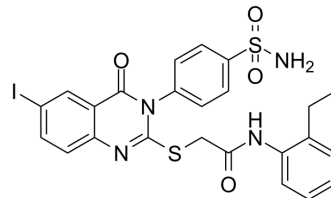


## CAIX/CAXII-IN-1

Cat. No.:	HY-146819
CAS No.:	2439165-37-2
Molecular Formula:	C <sub>24</sub> H <sub>21</sub> IN <sub>4</sub> O <sub>4</sub> S <sub>2</sub>
Molecular Weight:	620.48
Target:	Carbonic Anhydrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	Compound 9 is the most effective against tumor specific Ca ix/ca XII (ki=29.1 and 8.8 nm), so it is possible to evaluate its cytotoxicity and selectivity to HepG-2, HCT-116 and MCF-7 cancer cell lines in vitro, and its IC <sub>50</sub> values to tumor cells are 1.78, 1.94 and 3.07, respectively μ M. It showed that it had obvious cytotoxicity.		
<b>IC<sub>50</sub> &amp; Target</b>	CA XII	CA $\boxtimes$	CA $\boxtimes$

## REFERENCES

[1]. Soliman AM, et al. Iodoquinazolinones bearing benzenesulfonamide as human carbonic anhydrase I, II, IX and XII inhibitors: Synthesis, biological evaluation and radiosensitizing activity. Eur J Med Chem. 2020 Aug 15;200:112449.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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