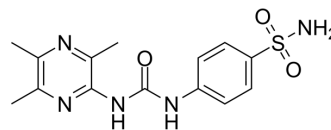


## Carbonic anhydrase inhibitor 10

Cat. No.:	HY-115994
CAS No.:	2883453-30-1
Molecular Formula:	C <sub>14</sub> H <sub>17</sub> N <sub>5</sub> O <sub>3</sub> S
Molecular Weight:	335.38
Target:	Carbonic Anhydrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Carbonic anhydrase inhibitor 10 is a potent <i>h</i> CA IX inhibitor with a K <sub>i</sub> value of 6.2 nM. Carbonic anhydrase inhibitor 10 exhibits anti-proliferative activity against MCF-7 cancer cell line with an IC <sub>50</sub> of 11.9 μM. Carbonic anhydrase inhibitor 10 can be used for cancer research <sup>[1]</sup> .
IC <sub>50</sub> & Target	CA ☒

### REFERENCES

[1]. Diaaeldin M Elimam, et al. Natural inspired ligustrazine-based SLC-0111 analogues as novel carbonic anhydrase inhibitors. *Eur J Med Chem.* 2022 Jan 15;228:114008.

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

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