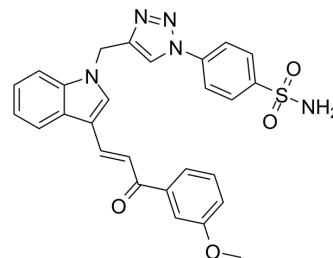


## hCA I-IN-1

Cat. No.:	HY-147985
CAS No.:	2417232-26-7
Molecular Formula:	C <sub>27</sub> H <sub>23</sub> N <sub>5</sub> O <sub>4</sub> S
Molecular Weight:	513.57
Target:	Carbonic Anhydrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	hCA I-IN-1 (Compound 6q) is a human carbonic anhydrase I (hCA I) inhibitor with K <sub>i</sub> values of 38.3, 716.4, 940.1 and 192.8 nM against hCA I, hCA II, hCAIX and hCAXII, respectively <sup>[1]</sup> .
IC <sub>50</sub> & Target	K <sub>i</sub> : 38.3 nM (hCA I), 192.8 nM (hCAXII), 716.4 nM (hCA II), 940.1 nM (hCA IX) <sup>[1]</sup>

### REFERENCES

[1]. Singh P, et al. Synthesis and carbonic anhydrase inhibition studies of sulfonamide based indole-1,2,3-triazole chalcone hybrids. Bioorg Chem. 2020 Jun;99:103839.

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

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