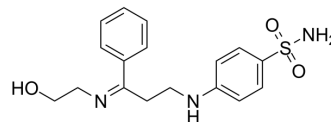


## hCAII-IN-3

Cat. No.:	HY-146008
CAS No.:	2770927-76-7
Molecular Formula:	C <sub>17</sub> H <sub>21</sub> N <sub>3</sub> O <sub>3</sub> S
Molecular Weight:	347.43
Target:	Carbonic Anhydrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	hCAII-IN-3 (Compound 16) is a human carbonic anhydrase (hCA) inhibitor with K <sub>i</sub> values of 403.8, 5.1, 10.2 and 5.2 nM against hCA I, hCA II, hCA IX and hCA XII, respectively. hCA IX-IN-2 shows anticancer activity <sup>[1]</sup> .		
IC <sub>50</sub> & Target	CA XII	CA ☒	CA ☒

### REFERENCES

[1]. Elbadawi MM, et al. Development of 4-((3-oxo-3-phenylpropyl)amino)benzenesulfonamide derivatives utilizing tail/dual-tail approaches as novel carbonic anhydrase inhibitors. Eur J Med Chem. 2022 Apr 27;238:114412.

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

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