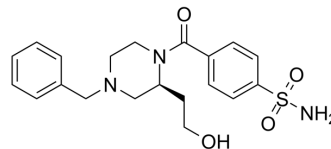


## hCAII-IN-6

Cat. No.:	HY-144264
Molecular Formula:	C <sub>20</sub> H <sub>25</sub> N <sub>3</sub> O <sub>4</sub> S
Molecular Weight:	403.5
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-6 (Compound S-13) is a potent human carbonic anhydrase II (hCA II) inhibitor with a  $K_i$  of 4.4 nM. hCAII-IN-6 also inhibits other hCAs isoforms I, IV and IX, with  $K_i$  values of 9.2 nM, 480.2 nM and 14.7 nM, respectively. hCAII-IN-6 can be used for glaucoma research<sup>[1]</sup>.

### REFERENCES

[1]. Niccolò Chiamonte, et al. 2-(2-Hydroxyethyl)piperazine derivatives as potent human carbonic anhydrase inhibitors: Synthesis, enzyme inhibition, computational studies and antiglaucoma activity. *Eur J Med Chem.* 2022 Jan 15;228:114026.

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

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