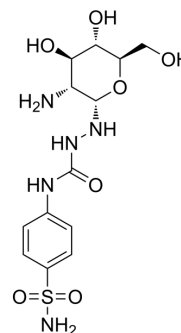


## hCAII-IN-10

<b>Cat. No.:</b>	HY-161282
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>21</sub> N <sub>5</sub> O <sub>7</sub> S
<b>Molecular Weight:</b>	391.4
<b>Target:</b>	Carbonic Anhydrase
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	hCAII-IN-10 (compound 11d) is hCA II inhibitor with the IC <sub>50</sub> s of 14 nM and 29.2 μM for hCA II and hCA I, respectively. hCAII-IN-10 inhibits cell growth against HT-29 cells with the IC <sub>50</sub> of 74 μM. hCAII-IN-10 shows strongly lowered intraocular pressure in the glaucomatous rabbit eye model <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	hCA II 14 nM (IC <sub>50</sub> )	hCA I 29.2 μM (IC <sub>50</sub> )

### REFERENCES

[1]. Xie Y, et al. Discovery of water-soluble semicarbazide-containing sulfonamide derivatives possessing favorable anti-glaucoma effect in vivo and drug-like properties. Saudi Pharm J. 2024 Mar;32(3):101969.

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

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