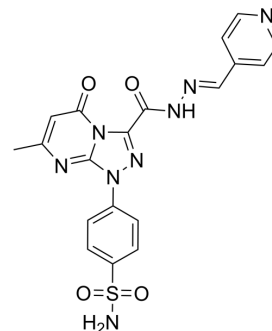


## HCAIX-IN-2

<b>Cat. No.:</b>	HY-146207
<b>CAS No.:</b>	2389034-45-9
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>16</sub> N <sub>8</sub> O <sub>4</sub> S
<b>Molecular Weight:</b>	452.45
<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>	HCAIX-IN-2 (compound 9d) is a selective carbonic anhydrase inhibitor with the K <sub>i</sub> values of 24.6 nM and 45.3 nM for hCA IX and hCA XII, respectively <sup>[1]</sup> .			
<b>IC<sub>50</sub> &amp; Target</b>	CA I 2481 nM (K <sub>i</sub> )	hCA II 456.2 nM (K <sub>i</sub> )	hCA IX 24.6 nM (K <sub>i</sub> )	hCA XII 45.3 nM (K <sub>i</sub> )

### REFERENCES

[1]. Mohamed A Said, et al. Synthesis, biological and molecular dynamics investigations with a series of triazolopyrimidine/triazole-based benzenesulfonamides as novel carbonic anhydrase inhibitors. *Eur J Med Chem.* 2020 Jan 1;185:111843.

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

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