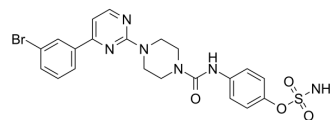


## hCAIX-IN-3

Cat. No.:	HY-146983
CAS No.:	2375461-31-5
Molecular Formula:	C <sub>21</sub> H <sub>21</sub> BrN <sub>6</sub> O <sub>4</sub> S
Molecular Weight:	533.4
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 7e) is a potent and selective inhibitor of carbonic anhydrase (CA II/IX) with K<sub>i</sub>s of 124.2 and 30.5 nM, respectively. hCAII-IN-3 has the potential for the research of cancer diseases<sup>[1]</sup>.

### REFERENCES

[1]. Nocentini A, et al. Sulfonamide/sulfamate switch with a series of piperazinylureido derivatives: Synthesis, kinetic and in silico evaluation as carbonic anhydrase isoforms I, II, IV, and IX inhibitors. *Eur J Med Chem.* 2020;186:111896.

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

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