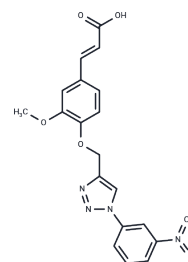


## hCAIX-IN-8

## Chemical Properties

CAS No. :	2414633-40-0
Formula:	C <sub>19</sub> H <sub>16</sub> N <sub>4</sub> O <sub>6</sub>
Molecular Weight:	396.35
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	hCAIX-IN-8 (compound 7i) is a highly potent and selective inhibitor of hCAIX with an IC <sub>50</sub> value of 0.024 μM, and also inhibits CAII and CAVA with IC <sub>50</sub> values of 1.99 μM and 1.10 μM, respectively. It exhibits anti-proliferative effects, low toxicity, reduces epithelial-to-mesenchymal transitions, promotes apoptosis, and inhibits cell migration and colonization potential [1].
Targets(IC <sub>50</sub> )	Others,Carbonic Anhydrase
In vitro	hCAIX-IN-8 (compound 7i) exhibits anti-proliferative activity with IC <sub>50</sub> values of 8.44 μM for HT29 cells and 11.22 μM for HepG2 cells, and induces apoptosis in 24.44% of HT29 cells and 19.22% of HepG2 cells [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.523 mL	12.6151 mL	25.2302 mL
5 mM	0.5046 mL	2.523 mL	5.046 mL
10 mM	0.2523 mL	1.2615 mL	2.523 mL
50 mM	0.0505 mL	0.2523 mL	0.5046 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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