

## hCAIX-IN-5

## Chemical Properties

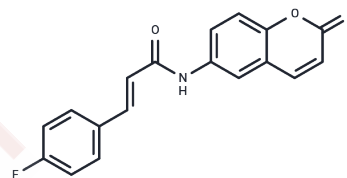
CAS No. : 2451479-57-3

Formula: C<sub>18</sub>H<sub>12</sub>FNO<sub>3</sub>

Molecular Weight: 309.29

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-5 was a selective hCAIX inhibitor, inhibiting hCAI, hCAII, hCAIV, and hCAIX with Ki values of >10000, >10000, 130.7, and 829.1 nM, respectively.
Targets(IC50)	Carbonic Anhydrase

## Solubility Information

Solubility	DMSO: 20 mg/mL (64.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2332 mL	16.1661 mL	32.3321 mL
5 mM	0.6466 mL	3.2332 mL	6.4664 mL
10 mM	0.3233 mL	1.6166 mL	3.2332 mL
50 mM	0.0647 mL	0.3233 mL	0.6466 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.

## Reference

Swain B, et al. New coumarin/sulfocoumarin linked phenylacrylamides as selective transmembrane carbonic anhydrase inhibitors: Synthesis and in-vitro biological evaluation. Bioorg Med Chem. 2020 Aug 1;28(15):115586.

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