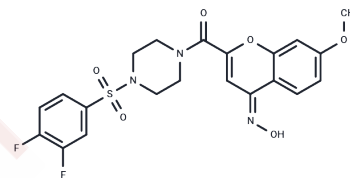


## IDO1-IN-21

## Chemical Properties

CAS No. :	2892432-98-1
Formula:	C <sub>21</sub> H <sub>19</sub> F <sub>2</sub> N <sub>3</sub> O <sub>6</sub> S
Molecular Weight:	479.45
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	IDO1-IN-21 (compound 10m), with an IC <sub>50</sub> of 0.64 μM, acts as an IDO1 inhibitor and has demonstrated efficacy in suppressing tumor growth in murine models [1].
Targets(IC <sub>50</sub> )	IDO, Indoleamine 2,3-Dioxygenase (IDO)
In vitro	IDO1-IN-21, administered at concentrations ranging from 0 to 50 μM for 48 hours, inhibits the viability of SW480 cells, with an IC <sub>50</sub> value of 28.64 μM [1]. At a lower concentration range of 0 to 10 μM over 48 hours, IDO1-IN-21 suppresses IDO1 activity in HeLa cells, with an IC <sub>50</sub> value of 1.04 μM [1].
In vivo	IDO1-IN-21 (50, 100 mg/kg; i.p.; every three days for 21 consecutive days) inhibited tumor growth in CT26 tumor-bearing mice [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0857 mL	10.4286 mL	20.8572 mL
5 mM	0.4171 mL	2.0857 mL	4.1714 mL
10 mM	0.2086 mL	1.0429 mL	2.0857 mL
50 mM	0.0417 mL	0.2086 mL	0.4171 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

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