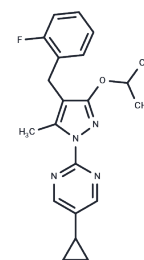


## hDHODH-IN-7

## Chemical Properties

CAS No. :	1644156-41-1
Formula:	C <sub>21</sub> H <sub>23</sub> FN <sub>4</sub> O
Molecular Weight:	366.43
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	hDHODH-IN-7 (DHODH-IN-9) is a nitrogen-containing analog and is a human dihydrorotatory dehydrogenase inhibitor. hDHODH-IN-7 and pMIC50 of 7.4 have antiviral effects.
Targets(IC50)	Dehydrogenase,DNA/RNA Synthesis,Influenza Virus
In vitro	hDHODH-IN-7 is the corresponding pyridazine homologue from 3-chloro-6-cyclopropylpyridazine. There is almost no change, and the antiviral mode of action of the analogs with 5-cyclopyridine reflects the antiviral effect of homologues with 5-ethylpyrimidinyl groups to some extent. hDHODH-IN-7 is a good antiviral agent for such analogs[1].

## Solubility Information

Solubility	DMSO: 135 mg/mL (368.42 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	2.729 mL	13.6452 mL	27.2903 mL
5 mM	0.5458 mL	2.729 mL	5.4581 mL
10 mM	0.2729 mL	1.3645 mL	2.729 mL
50 mM	0.0546 mL	0.2729 mL	0.5458 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

Lucas-Hourani M, et al. Original 2-(3-Alkoxy-1H-pyrazol-1-yl)azines Inhibitors of Human Dihydroorotate Dehydrogenase (DHODH). J Med Chem. 2015 Jul 23;58(14):5579-98.

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481