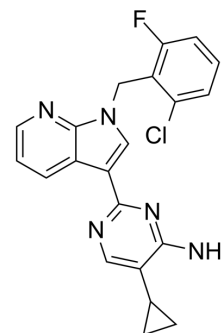


## hDHODH-IN-13

Cat. No.:	HY-149642		
CAS No.:	3032611-13-2		
Molecular Formula:	C <sub>21</sub> H <sub>17</sub> ClFN <sub>5</sub>		
Molecular Weight:	393.84		
Target:	Dihydroorotate Dehydrogenase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (317.39 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5391 mL	12.6955 mL	25.3910 mL
	5 mM	0.5078 mL	2.5391 mL	5.0782 mL
	10 mM	0.2539 mL	1.2696 mL	2.5391 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

hDHODH-IN-13 (compound w2) is an inhibitor of human dihydroorotate dehydrogenase (hDHODH) with an IC<sub>50</sub> value of 173.4 nM. hDHODH-IN-13 can be used in the research of IBD<sup>[1]</sup>.

### REFERENCES

[1]. Xia Zhou, et al. Discovery and Optimization of Novel h DHODH Inhibitors for the Treatment of Inflammatory Bowel Disease. J Med Chem. 2023.

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

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