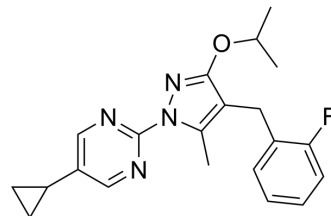


## hDHODH-IN-7

<b>Cat. No.:</b>	HY-135667
<b>CAS No.:</b>	1644156-41-1
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>23</sub> FN <sub>4</sub> O
<b>Molecular Weight:</b>	366.43
<b>Target:</b>	DNA/RNA Synthesis; Influenza Virus; Dihydroorotate Dehydrogenase
<b>Pathway:</b>	Cell Cycle/DNA Damage; Anti-infection; Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	DHODH-IN-9 (Compound 10k) is an azine-bearing analogue and is a human dihydroorotate dehydrogenase inhibitor. DHODH-IN-9 has antiviral effect with a pMIC <sub>50</sub> of 7.4 <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	pMIC <sub>50</sub> : 7.4 (DHODH) <sup>[1]</sup>
<b>In Vitro</b>	DHODH-IN-9 (Compound 10k) is a corresponding pyridazine homologue from 3-chloro-6-cyclopropylpyridazine. With few variations, the pattern of antiviral effect for analogues featuring a 5-cyclopropylpyridine is somehow mirroring the one seen for the 5-ethylpyrimidyl bearing homologues. DHODH-IN-9 (Compound 10k) is a good antiviral of this group of analogue <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. 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.

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

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