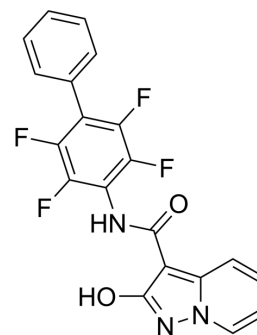


## MEDS433

Cat. No.:	HY-156442
CAS No.:	2241027-61-0
Molecular Formula:	C <sub>20</sub> H <sub>11</sub> F <sub>4</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	401.31
Target:	Lactate Dehydrogenase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

MEDS433 is a potent inhibitor of human dihydroorotate dehydrogenase (hDHODH) with an IC<sub>50</sub> of 1.2 nM. MEDS433 exerts a potent antiviral activity against RSV-A and RSV-B in the one-digit nanomolar range. MEDS433 induces the expression of antiviral proteins encoded by interferon stimulated genes (ISGs) able to reduce RSV replication<sup>[1]</sup>.

## REFERENCES

[1]. Anna Lukanini, et al. Mechanisms of antiviral activity of the new hDHODH inhibitor MEDS433 against respiratory syncytial virus replication. Antiviral Res. 2023 Oct 16:219:105734.

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

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