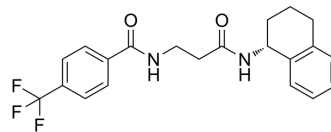


hDHODH-IN-5

Cat. No.:	HY-135664
CAS No.:	2029049-77-0
Molecular Formula:	C ₂₁ H ₂₁ F ₃ N ₂ O ₂
Molecular Weight:	390.4
Target:	Dihydroorotate Dehydrogenase; DNA/RNA Synthesis
Pathway:	Metabolic Enzyme/Protease; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DHODH-IN-7 is a human dihydroorotate dehydrogenase (DHODH) inhibitor, with an IC ₅₀ of 0.91 μM. DHODH-IN-7 induces differentiation in acute myeloid leukemia ^[1] .
In Vitro	The lysozyme-GFP-ER-HoxA9 murine cell line (ER-HOX-GFP) and the THP1 and U937 human AML cell lines were cultured with compounds in a 4-day differentiation assay. DHODH-IN-7 shows EC50s of 3.6, 2.7, and 2.5 μM for ER-HOX-GFP, THP1 and U937 human AML cell lines, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Lewis TA, et al. Development of ML390: A Human DHODH Inhibitor That Induces Differentiation in Acute Myeloid Leukemia. ACS Med Chem Lett. 2016 Sep 28;7(12):1112-1117.

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

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