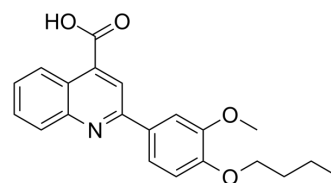


## hDHODH-IN-9

Cat. No.:	HY-147788
CAS No.:	133676-47-8
Molecular Formula:	C <sub>21</sub> H <sub>21</sub> NO <sub>4</sub>
Molecular Weight:	351.4
Target:	Lactate Dehydrogenase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

hDHODH-IN-9 (Compound 3k) is a potent inhibitor of hDHODH with an IC<sub>50</sub> of 0.34 μM. hDHODH-IN-9 demonstrates high cytotoxic activity against MCF-7 and A375 cells and good selectivity. hDHODH-IN-9 has the potential for the research of cancer diseases<sup>[1]</sup>.

### REFERENCES

[1]. Petrović MM, et al. Potent human dihydroorotate dehydrogenase inhibitory activity of new quinoline-4-carboxylic acids derived from phenolic aldehydes: Synthesis, cytotoxicity, lipophilicity and molecular docking studies. *Bioorg Chem.* 2020;105:104373.

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

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