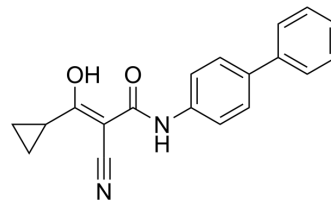


hDHODH-IN-2

Cat. No.:	HY-135654
CAS No.:	183946-00-1
Molecular Formula:	C ₁₉ H ₁₆ N ₂ O ₂
Molecular Weight:	304.34
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	hDHODH-IN-2 is an analogue of the active metabolite of Leflunomide. hDHODH-IN-2 is a human dihydroorotate dehydrogenase (hDHODH) inhibitor. hDHODH-IN-1 has anti-inflammatory activity ^{[1][2]} .
In Vitro	hDHODH-IN-2 (Compound 42) inhibits rat and mouse DHODH with log(1/IC ₅₀) values of 5.83 and 5.80, respectively in self-organizing molecular field analysis (SOMFA) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Li SL, et al. 3D-QSAR studies on a series of dihydroorotate dehydrogenase inhibitors: analogues of the active metabolite of leflunomide. *Int J Mol Sci.* 2011;12(5):2982-93.
- [2]. Shih KC, et al. Development of a human dihydroorotate dehydrogenase (hDHODH) pharma-similarity index approach with scaffold-hopping strategy for the design of novel potential inhibitors. *PLoS One.* 2014 Feb 4;9(2):e87960.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA