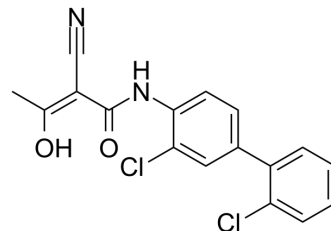


## DHODH-IN-4

Cat. No.:	HY-135619
CAS No.:	1148125-93-2
Molecular Formula:	C <sub>17</sub> H <sub>12</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	347.2
Target:	Parasite; Dihydroorotate Dehydrogenase; DNA/RNA Synthesis
Pathway:	Anti-infection; 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-4 (compound 17) is a human and Plasmodium falciparum dihydroorotate dehydrogenase (DHODH) inhibitor, with IC <sub>50</sub> values of 4 μM and 0.18 μM for PfDHODH and HsDHODH, respectively. DHODH-IN-4 (compound 17) possess antimalarial activity <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 4 μM (PfDHODH), 0.18 μM (HsDHODH) <sup>[1]</sup> .

### REFERENCES

[1]. Davies M, et al. Structure-based design, synthesis, and characterization of inhibitors of human and Plasmodium falciparum dihydroorotate dehydrogenases. J Med Chem. 2009 May 14;52(9):2683-93.

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

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