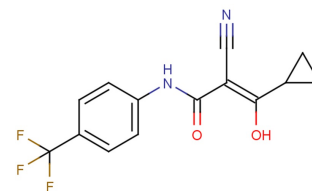


PfDHODH-IN-1

**Chemical Properties**

CAS No.: 183945-55-3  
Formula: C<sub>14</sub>H<sub>11</sub>F<sub>3</sub>N<sub>2</sub>O<sub>2</sub>  
Molecular Weight: 296.24  
Appearance: N/A  
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	PfDHODH-IN-1 is an analogue of the active Leflunomide metabolite, has antimalarial activity.
Targets(IC <sub>50</sub> )	Others: None

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.376 mL	16.878 mL	33.756 mL
5 mM	0.675 mL	3.376 mL	6.751 mL
10 mM	0.338 mL	1.688 mL	3.376 mL
50 mM	0.068 mL	0.338 mL	0.675 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

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. Hou X, et al. QSAR study on the antimalarial activity of Plasmodium falciparum dihydroorotate dehydrogenase (PfDHODH) inhibitors. SAR QSAR Environ Res. 2016;27(2):101-24.

Inhibitors · Natural Compounds · Compound Libraries

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