

Product Data Sheet

Product Name: PfDHODH-IN-1

Cat. No.: GC64567

Chemical Properties

Cas. No. 183945-55-3

Formula C₁₄H₁₁F₃N₂O₂

M.Wt 296.24

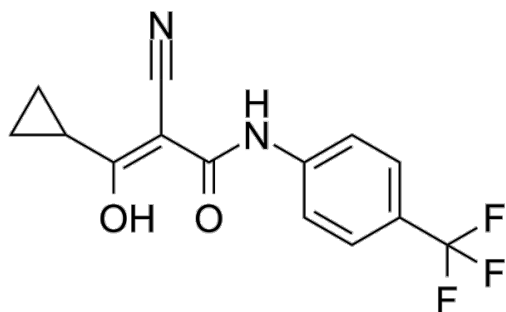
Solubility DMSO : 83.33 mg/mL (281.29 mM; ultrasonic and warming and heat to 60°C)

Storage 4°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

PfDHODH-IN-1 is an analogue of the active metabolite of Leflunomide. PfDHODH-IN-1 is a Plasmodium falciparum dihydroorotate dehydrogenase (PfDHODH) inhibitor. PfDHODH-IN-1 has antimalarial activity[1][2].

[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.

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

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[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.

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