

Product Data Sheet

Product Name: DHODH-IN-1

Cat. No.: GC70726

Chemical Properties

Cas. No. 1800296-63-2

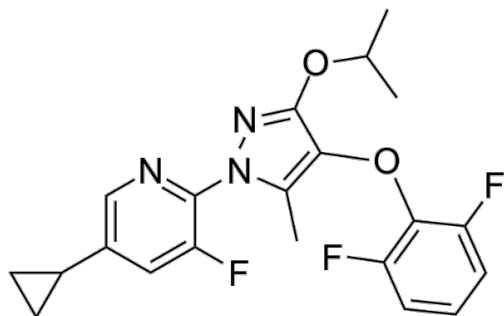
Formula $C_{21}H_{20}F_3N_3O_2$ M.Wt 403.4

Solubility DMSO : 100 mg/mL (247.89 mM); Storage -20°C
Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

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

DHODH-IN-1 (compound 18d) is a potent Dihydroorotate Dehydrogenase (DHODH) inhibitor with an IC₅₀ of 25 nM. DHODH-IN-1 is an inhibitor of pyrimidine biosynthesis pathway.

DHODH-IN-1 (compound 18d) strongly inhibits Jurkat cells proliferation (IC₅₀=0.02 μM) [1].

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

DHODH-IN-1 (4, 20, 100 nM) blocks the measles virus replication in cells [1].

DHODH-IN-1 (0.008, 0.04, 0.2, 1, 5 μ M) increases the expression of an ISRE-luciferase reporter gene when transfecting cells with ssRNA molecules^[1].

DHODH-IN-1 (compound 18d) has a $t_{1/2}$ of 27–41 min^[1].

References:

[1]. Lucas-Hourani M, et al. Original 2-(3-Alkoxy-1H-pyrazol-1-yl)azines Inhibitors of Human Dihydroorotate Dehydrogenase (DHODH). J Med Chem. 2015 Jul 23;58(14):5579-98.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA