

Product Data Sheet

Product Name: DHODH-IN-9

Cat. No.: GC70740

Chemical Properties

Cas. No. 1644156-41-1

Formula $C_{21}H_{23}FN_4O$

M.Wt 366.43

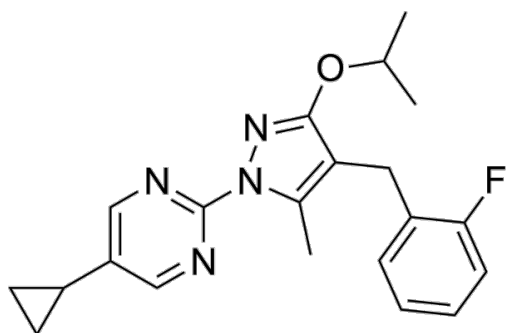
Solubility

Storage

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-9 (Compound 10k) is an azine-bearing analogue and is a human dihydroorotate dehydrogenase inhibitor. DHODH-IN-9 has antiviral effect with a pMIC50 of 7.4.

DHODH-IN-9 (Compound 10k) is a corresponding pyridazine homologue from 3-chloro-6-cyclopropylpyridazine. With few variations, the pattern of antiviral effect for analogues featuring a 5-cyclopropylpyridine is somehow mirroring the one seen for the 5-ethylpyrimidyl bearing homologues.

DHODH-IN-9 (Compound 10k) is a good antiviral of this group of analogue^[1].

References:

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

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[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.

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