

Product Data Sheet

Product Name: FMF-04-159-2

Cat. No.: GC36062

Chemical Properties

Cas. No. 2364489-81-4

SMILES O=C(C1=NNC=C1NC(C2=C(Cl)C=C(Cl)C=C2Cl)=O)NC3CCN(S(=O)(C4=CC=CC(NC(/C=C/CN(C)C)=O)=C4)=O)CC3

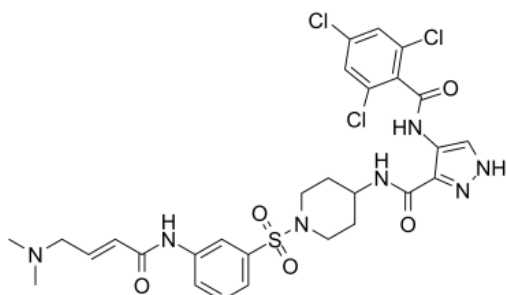
Formula $C_{28}H_{30}Cl_3N_7O_5S$ M.Wt 683.01

Solubility DMSO: 250 mg/mL (366.03 mM) Storage Store at -20°C

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

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

Structure



Background

FMF-04-159-2 is a covalent CDK14 inhibitor. FMF-04-159-2 inhibits CDK14 and CDK2 with IC₅₀s of 39.6 nM and 256 nM in NanoBRET assay, respectively[1]. CDK14/Cyclin Y|39.6 nM (IC₅₀, in NanoBRET assay)|CDK2|256 nM (IC₅₀, in NanoBRET assay)

FMF-04-159-2 inhibits HCT116 proliferation with an IC₅₀ of 1,144±190 nM[1].

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

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[1]. Ferguson FM, et al. Discovery of Covalent CDK14 Inhibitors with Pan-TAIRE Family Specificity. Cell Chem Biol. 2019 Mar 11. pii: S2451-9456(19)30070-4.

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