
Product Data Sheet

Product Name: FLT3-IN-4

Cat. No.: GC36055

Chemical Properties

Cas. No. 2304799-09-3

SMILES C=CCN1C2=NC=NC(N)=C2C(C3=CC=C(NC(NC4=NOC(C(C)(C)C)=C4)=O)C=C3)=C1Formula C₂₃H₂₅N₇O₂ M.Wt 431.49

Solubility Soluble in DMSO Storage Store at -20°C

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**

FLT3-IN-4 is a potent and orally effective Fms-like tyrosine receptor kinase 3 (FLT3; IC₅₀=7 nM) inhibitor for treating acute myelogenous leukemia[1].

FLT3-IN-4 (Compound 9u) shows potent inhibitory activities against MV4-11 and Molm-13 cells with IC₅₀ values are 0.089±0.001 nM and 0.022±0.003 nM, respectively[1].

[1]. Yuan X, et al. Identification of Pyrrolo[2,3- d]pyrimidine-Based Derivatives as Potent and Orally Effective Fms-like Tyrosine Receptor Kinase 3 (FLT3) Inhibitors for Treating Acute Myelogenous Leukemia. J Med Chem. 2019 Apr 25;62(8):4158-4173.

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

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