
Product Data Sheet

Product Name: FLT3-IN-1

Cat. No.: GC32968

Chemical Properties

Cas. No. 1472797-69-5

SMILES O=C(N([C@@H](C)C(NCCCC#CC1=CN=C(NC2=CC=C(C#N)C=C2)N=C1NCCC)=O)C)/C=C/CN(C)CFormula $C_{29}H_{38}N_8O_2$ M.Wt 530.66Solubility DMSO : ≥ 50 mg/mL (94.22 mM); Water : < 0.1 mg/mL (insoluble) 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**

FF-10101 is a novel irreversible FLT3 inhibitor with ic_{50} of 0.20 nM and 0.16 nM for FLT3 (WT) and FLT3(D835Y), respectively.

FF-10101 potently and selectively inhibits the growth of mutant FLT3-expressing leukemia cells in vitro.[1]

Oral administration of FF-10101 shows significant anti-leukemic effects at 5 mg/kg and 10 mg/kg twice daily for 11 days in the PDX model of AML cells with FLT3-ITD.[1]

[1] Yamaura T, et al. Blood. 2018 25;131(4):426-438.

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

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