

## Product Data Sheet

Product Name: FLT3-IN-17

Cat. No.: GC73149

### Chemical Properties

Cas. No. 2758999-62-9

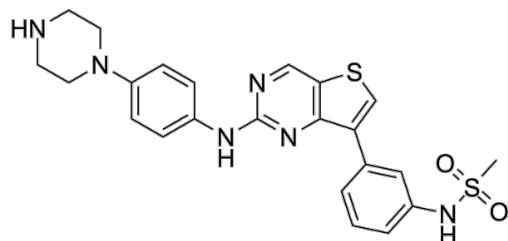
Formula  $C_{23}H_{24}N_6O_2S_2$  M.Wt 480.61

Solubility DMSO : 7.5 mg/mL (15.61 mM; ultrasonic and warming and heat to 60°C) Storage 4°C, sealed storage, away from moisture

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-17 inhibits CYPs and FLT3 mutants activity (IC<sub>50</sub>s: <0.5 nM for D835Y). FLT3-IN-17 is also a FAK inhibitor, with an IC<sub>50</sub> value of 12 nM. FLT3 ligand-2 can be used in the research of cancers.

FLT3-IN-17 (compound 25, 72 h) inhibits cell growth in HCT-116, MDA-MB-231, A375 cells[1]. FLT3-IN-17 (10 µM) inhibits cytochrome P450s (CYPs) with inhibition rates >55%[1]. FLT3-IN-17 inhibits FLT3 mutants activity (IC<sub>50</sub>s: <0.5 nM for D835Y, 1.6-183 nM for Ba/F3)[1].

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

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### References:

[1]. Hanna Cho, et al. Identification of Thieno[3,2- d]pyrimidine Derivatives as Dual Inhibitors of Focal Adhesion Kinase and FMS-like Tyrosine Kinase 3. J Med Chem. 2021 Aug 26;64(16):11934-11957.

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