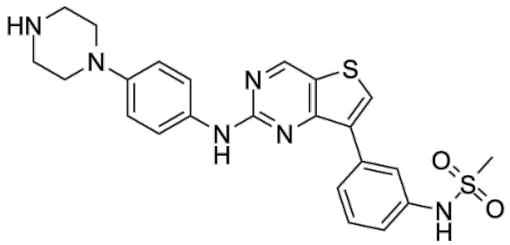
Product Data Sheet

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 (IC50s: <0.5 nM for D835Y). FLT3-IN-17 is also a FAK inhibitor, with an IC50 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 (IC50s: <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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