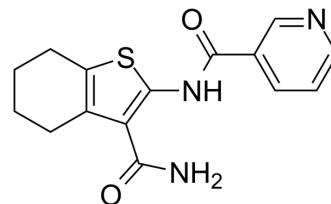


FLT3-IN-16

Cat. No.:	HY-148036		
CAS No.:	298207-49-5		
Molecular Formula:	C ₁₅ H ₁₅ N ₃ O ₂ S		
Molecular Weight:	301.36		
Target:	FLT3		
Pathway:	Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (82.96 mM; ultrasonic and warming and heat to 80°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3183 mL	16.5915 mL	33.1829 mL
	5 mM	0.6637 mL	3.3183 mL	6.6366 mL
	10 mM	0.3318 mL	1.6591 mL	3.3183 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	FLT3-IN-16 is a potent FLT3 inhibitor with an IC ₅₀ of 1.1 μM. FLT3-IN-16 can be used for researching acute myeloid leukemia [1].
IC ₅₀ & Target	IC ₅₀ : 1.1 μM (FLT3) ^[1]
In Vitro	FLT3-IN-16 (compound 9, 0-10 μM) exhibits anti-proliferative activities against MV4-11 cells with an IC ₅₀ value of 2.0 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Patch RJ, et, al. Identification of 2-acylaminothiophene-3-carboxamides as potent inhibitors of FLT3. Bioorg Med Chem Lett. 2006 Jun 15;16(12):3282-6.

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

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