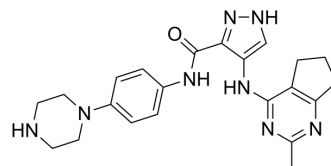


## FLT3-IN-19

Cat. No.:	HY-153473		
CAS No.:	2237234-48-7		
Molecular Formula:	C <sub>22</sub> H <sub>26</sub> N <sub>8</sub> O		
Molecular Weight:	418.49		
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 : 5 mg/mL (11.95 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3895 mL	11.9477 mL	23.8954 mL
	5 mM	0.4779 mL	2.3895 mL	4.7791 mL
	10 mM	0.2390 mL	1.1948 mL	2.3895 mL

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

### BIOLOGICAL ACTIVITY

#### Description

FLT3-IN-19 (Comp 50) is a potent and selective FLT3 inhibitor with IC<sub>50</sub> of 0.213 nM. FLT3-IN-19 can be used in AML disease research<sup>[1]</sup>.

### REFERENCES

[1]. Yanle Zhi, et al. Discovery of the selective and efficacious inhibitors of FLT3 mutations. Eur J Med Chem. 2018 Jul 15;155:303-315.

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

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