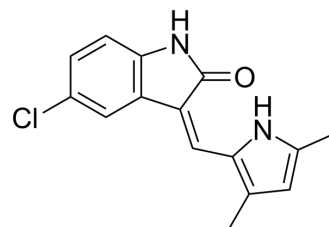


## (Z)-SU5614

<b>Cat. No.:</b>	HY-18952A		
<b>CAS No.:</b>	1055412-47-9		
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>13</sub> ClN <sub>2</sub> O		
<b>Molecular Weight:</b>	272.73		
<b>Target:</b>	FLT3; Apoptosis		
<b>Pathway:</b>	Protein Tyrosine Kinase/RTK; Apoptosis		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 16.67 mg/mL (61.12 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.6666 mL	18.3331 mL	36.6663 mL
5 mM	0.7333 mL	3.6666 mL	7.3333 mL
10 mM	0.3667 mL	1.8333 mL	3.6666 mL

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

### BIOLOGICAL ACTIVITY

#### Description

(Z)-SU5614 is a potent FLT3 inhibitor and selectively induces growth arrest, apoptosis, and cell cycle arrest in Ba/F3 and AML cell lines expressing a constitutively activated FLT3<sup>[1]</sup>.

### REFERENCES

[1]. Spiekermann K, et al. The protein tyrosine kinase inhibitor SU5614 inhibits FLT3 and induces growth arrest and apoptosis in AML-derived cell lines expressing a constitutively activated FLT3. *Blood*. 2003 Feb 15;101(4):1494-504.

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

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