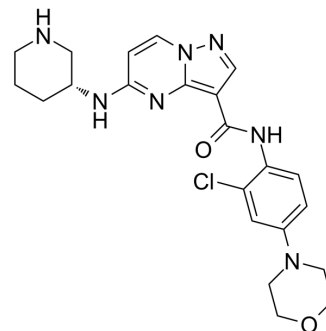


FLT3/ITD-IN-3

Cat. No.:	HY-144711
CAS No.:	2489446-47-9
Molecular Formula:	C ₂₂ H ₂₆ ClN ₇ O ₂
Molecular Weight:	455.94
Target:	FLT3
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	FLT3/ITD-IN-3 (Compound 19) is a potent FLT3 internal tandem duplications (FLT3-ITD) inhibitor with IC ₅₀ values of 0.3, 0.4 and 0.9 nM against FLT3 ^{D835Y} , FLT3 and FLT3-ITD, respectively. FLT3/ITD-IN-3 potently inhibits the phosphorylation of FLT3 and displays excellent antiproliferative activities against acute myeloid leukemia cell lines ^[1] .
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IC₅₀ & Target	IC ₅₀ : 0.3 nM (FLT3 ^{D835Y}), 0.4 nM (FLT3), 0.9 nM (FLT3-ITD) ^[1]
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REFERENCES

[1]. Chen Y, et al. Discovery and structure - activity relationship exploration of pyrazolo[1,5-a]pyrimidine derivatives as potent FLT3-ITD inhibitors. *Bioorg Med Chem*. 2021 Oct 15;48:116422.

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

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