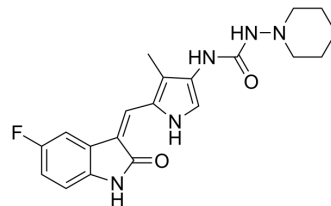


FLT3-IN-21

Cat. No.:	HY-155226
Molecular Formula:	C ₂₀ H ₂₂ FN ₅ O ₂
Molecular Weight:	383.42
Target:	FLT3; Apoptosis
Pathway:	Protein Tyrosine Kinase/RTK; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	FLT3-IN-21 (compound LC-3) is a potent FLT3 inhibitor (IC ₅₀ : 8.4 nM) and induces apoptosis. FLT3-IN-21 can arrest the cell cycle in the G1 phase and inhibit the proliferation of FLT3-ITD-positive AML cells MV-4-11 (IC ₅₀ : 5.3 nM). In mice, FLT3-IN-21 (10 mg/kg/d) inhibited tumor growth in the MV-4-11 xenograft model (TGI=92.16%) ^[1] .
IC ₅₀ & Target	IC ₅₀ : 8.4 nM (FLT3) ^[1]

REFERENCES

[1]. Jin J, et al. Design, synthesis, and biological evaluation of a series of indolone derivatives as novel FLT3 inhibitors for the treatment of acute myeloid leukemia. *Bioorg Chem.* 2023 Sep;138:106645.

[2]. Jin J, et al. Design, synthesis, and biological evaluation of a series of indolone derivatives as novel FLT3 inhibitors for the treatment of acute myeloid leukemia. *Bioorg Chem.* 2023 Sep;138:106645..

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

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