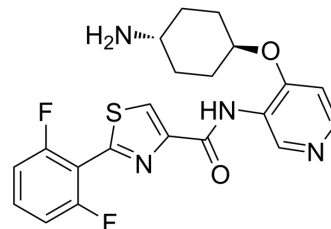


FD1024

Cat. No.:	HY-155529
CAS No.:	1422456-47-0
Molecular Formula:	C ₂₁ H ₂₀ F ₂ N ₄ O ₂ S
Molecular Weight:	430.47
Target:	Pim
Pathway:	JAK/STAT Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	FD1024 is PIM inhibitor (IC ₅₀ s: 1.96, 38.9, 4.17 nM for PIM1, 2, 3). FD1024 can be used for research of acute myeloid leukemia. FD1024 has strong antiproliferative activity against the tested AML cell lines, with 0.16 μM, 0.12 μM, 1.05 μM, 1.39 μM for EOL-1, MV-4-11, KG-1, MOLM-16 cells. FD1024 also has antitumor efficacy in mice ^[1] .
IC₅₀ & Target	1.96, 38.9, 4.17 nM for PIM1, 2, 3 ^[1]

REFERENCES

[1]. Xiang R, et al. Discovery of a high potent PIM kinase inhibitor for acute myeloid leukemia based on N-pyridinyl amide scaffold by optimizing the fragments toward to Lys67 and Asp128/Glu171. *Eur J Med Chem.* 2023 Sep 5;257:115514.

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

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