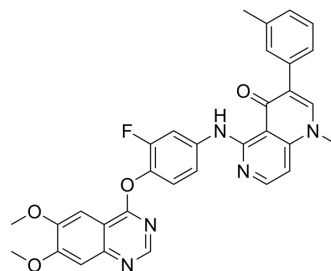


Axl-IN-18

Cat. No.:	HY-162103
Molecular Formula:	C ₃₂ H ₂₆ FN ₅ O ₄
Molecular Weight:	563.58
Target:	TAM Receptor; Apoptosis
Pathway:	Protein Tyrosine Kinase/RTK; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Axl-IN-18 (compound 25c) is a potent and selective type II AXL inhibitor. Axl-IN-18 shows excellent AXL inhibitory activity (IC₅₀=1.1 nM) and 343-fold selectivity over the highly homologous kinase MET in biochemical assays (IC₅₀=377 nM). Axl-IN-18 significantly inhibits AXL-driven cell proliferation, dose-dependently suppresses 4T1 cell migration and invasion, and induces apoptosis. Axl-IN-18 shows noticeable antitumor efficacy in a BaF3/TEL-AXL xenograft model^[1].

REFERENCES

[1]. Linsheng Zhuo, et al. Structure-activity relationship study of 1,6-naphthyridinone derivatives as selective type II AXL inhibitors with potent antitumor efficacy. *Eur J Med Chem.* 2023 Dec 30;265:116090.

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

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