



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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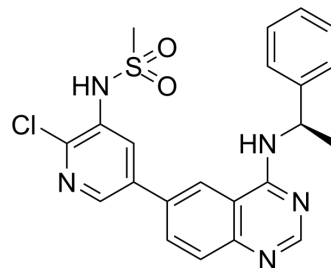
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MTX-531

Cat. No.:	HY-162713
CAS No.:	2791417-66-6
Molecular Formula:	C ₂₂ H ₂₀ ClN ₅ O ₂ S
Molecular Weight:	453.94
Target:	EGFR; PI3K; PPAR
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; PI3K/Akt/mTOR; Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MTX-531 is a potent and selective inhibitor of EGFR and PI3K, with IC ₅₀ s of 14.7 nM and 1.1-233 nM (differ in subtype). MTX-531 can also act as a weak agonist of PPAR γ , with the EC ₅₀ of 3.4 μ M in 293H cells ^[1] .			
IC ₅₀ & Target	PI3K α 6.4 nM (IC ₅₀)	PI3K β 233 nM (IC ₅₀)	PI3K δ 1.1 nM (IC ₅₀)	PI3K γ 8.3 nM (IC ₅₀)
	PPAR γ 3.4 μ M (EC ₅₀)			

REFERENCES

[1]. Christopher E Whitehead, et al. A first-in-class selective inhibitor of EGFR and PI3K offers a single-molecule approach to targeting adaptive resistance. Nat Cancer. 2024 Jul 11.

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

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