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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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FGFR4-IN-20

Cat. No.: HY-163569

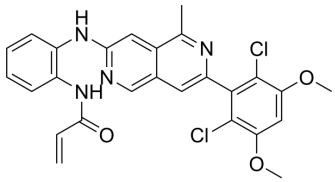
Molecular Formula: $C_{26}H_{22}Cl_2N_4O_3$

Molecular Weight: 509.38

Target: FGFR

Pathway: Protein Tyrosine Kinase/RTK

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

FGFR4-IN-20 (comp 11) is an orally active and selective FGFR4 inhibitor with IC_{50}s of 19 and 36 nM against Huh7 cells and FGFR4 enzyme. FGFR4-IN-20 can be used for hepatocellular carcinoma research[1].

IC_{50} & Target

FGFR4

In Vitro

FGFR4-IN-20 (0.01-1000 nM) shows IC_{50}s of 19, 16 and 33 nM against Huh7 (FGFR4 overexpression), Hep3B (FGF19 amplification) and JHH-7 (FGF19 amplification) cell lines, respectively[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

FGFR4-IN-20 (100mg/kg, p.o., QD for 15 d) significantly reduces the tumor volumes of ICR mice without a loss of body weight or other clinical signs[1].

Pharmacokinetics Profile of FGFR4-IN-20 in ICR Mice[1]

Parameter	IV (5 mg/kg)	PO (100 mg/kg, QD)
AUC_{0-24} (ng·h/mL)	4810	59534
C_{max} (ng/mL)	8137	24566
T_{max} (h)		0.5
$T_{1/2}$ (h)	1.7	3.9
F%		61.9

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Oh H, et al. Discovery of 2,6-Naphthyridine Analogues as Selective FGFR4 Inhibitors for Hepatocellular Carcinoma. J Med Chem. 2024 May 23;67(10):8445-8459.

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