



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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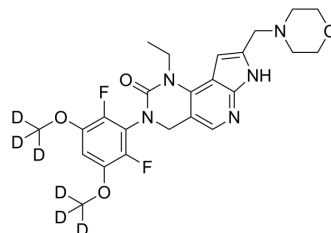
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Pemigatinib-d₆

Cat. No.:	HY-W754878
CAS No.:	2649492-49-7
Molecular Formula:	C ₂₄ H ₂₁ D ₆ F ₂ N ₅ O ₄
Molecular Weight:	493.54
Target:	Isotope-Labeled Compounds; FGFR
Pathway:	Others; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Pemigatinib-d₆ (INCB054828-d₆) is deuterium labeled Pemigatinib. Pemigatinib (INCB054828) is an orally active, selective FGFR inhibitor with IC₅₀s of 0.4 nM, 0.5 nM, 1.2 nM, 30 nM for FGFR1, FGFR2, FGFR3, FGFR4, respectively. Pemigatinib has the potential for cholangiocarcinoma^{[1][2][3]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019 Feb;53(2):211-216.
- [2]. Arudra K, et al. Calcinosi cutis dermatologic toxicity associated with fibroblast growth factor receptor inhibitor for the treatment of Wilms tumor. *J Cutan Pathol.* 2018 Oct;45(10):786-790.
- [3]. Roskoski R Jr, et al. The role of fibroblast growth factor receptor (FGFR) protein-tyrosine kinase inhibitors in the treatment of cancers including those of the urinary bladder. *Pharmacol Res.* 2020 Jan;151:104567.
- [4]. Krook MA, et al. Tumor heterogeneity and acquired drug resistance in FGFR2-fusion-positive cholangiocarcinoma through rapid research autopsy. *Cold Spring Harb Mol Case Stud.* 2019 Aug 1;5(4).

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

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