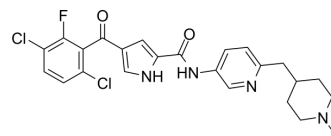


ERK5-IN-3

Cat. No.:	HY-150605
CAS No.:	1888305-85-8
Molecular Formula:	C ₂₄ H ₂₃ Cl ₂ FN ₄ O ₂
Molecular Weight:	489.37
Target:	ERK
Pathway:	MAPK/ERK Pathway; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ERK5-IN-3 (compound 33j) is a potent and selective ERK5 (extracellular signal-related kinase 5) inhibitor, with an IC ₅₀ of 6 nM. ERK5-IN-3 shows antiproliferation activity against Hela cells, with an IC ₅₀ of 31 nM ^[1] .
IC ₅₀ & Target	ERK5 6 ± 1 nM (IC ₅₀)
In Vivo	ERK5-IN-3 (compound 33j) (10 mg/kg, i.v. and p.o, once) has low clearance (CL=20 mL/min/kg) and low oral bioavailability (F%=9%), with terminal elimination half-lives of 263 min ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Miller DC, et al. Parallel Optimization of Potency and Pharmacokinetics Leading to the Discovery of a Pyrrole Carboxamide ERK5 Kinase Domain Inhibitor. J Med Chem. 2022 May 12;65(9):6513-6540.

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

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