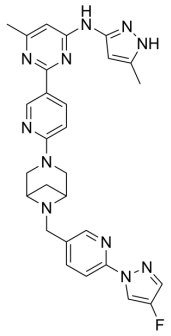
RET-IN-23

Cat. No.:	HY-153676
CAS No.:	2479961-46-9
Molecular Formula:	$C_{28}H_{28}FN_{11}$
Molecular Weight:	537.59
Target:	RET
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	RET-IN-23 (compound 17) is a potent and orally active RET inhibitor with IC_{50} values of 1.32, 2.50, 6.54, 1.03, 1.47 nM for RET-WT, RET-CCDC6, RET-V804L, RET-V804M, RET-M918T, respectively. RET-IN-23 shows anti-tumor activity[1].
IC_{50} & Target	IC_{50}: 1.32 nM (RET-WT); 2.50 nM (RET-CCDC6); 6.54 nM (RET-V804L); 1.03 nM (RET-V804M); 1.47 nM (RET-M918T)[1].
In Vivo	RET-IN-23 (5 mg/kg; p.o.) shows anti-tumor activity in mice[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Balb/c-nu mouse (TT cell subcutaneous xenograft tumor)[1]
Dosage:	5 mg/kg
Administration:	P.o.
Result:	Showed anti-tumor activity with T/C of 17.44%, TGI of 88.82%.

REFERENCES

[1]. ZhongHui Chen, et al. Heterocyclic compound, pharmaceutical composition comprising same, preparation method therefor, and use thereof. WO2020168939A1.

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