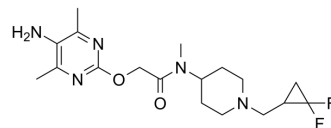


FGFR-IN-3

Cat. No.:	HY-147683
CAS No.:	2488762-63-4
Molecular Formula:	C ₁₈ H ₂₇ F ₂ N ₅ O ₂
Molecular Weight:	383.44
Target:	FGFR
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	FGFR-IN-3 (compound 6) is an orally active, potent and BBB-penetrated FGFR (fibroblast growth factor receptor) modulator. FGFR-IN-3 shows neuroprotective activity. FGFR-IN-3 can be used for neurodegenerative diseases research ^[1] .
In Vivo	FGFR-IN-3 (compound 6) is sufficiently lipophilic (logP = 2.2) to passively permeate across the blood-brain barrier, and further increase in molecular lipophilicity results in boosting MBI (mechanism-based inactivation) activity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sakai H, et al. Fibroblast growth factor receptor modulators employing diamines with reduced phospholipidosis-inducing potential. *Bioorg Med Chem*. 2020 Jul 15;28(14):115562.

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

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