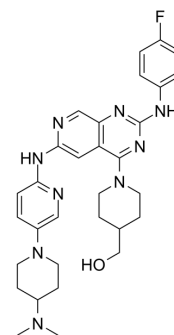


EGFR-IN-5

Cat. No.:	HY-111415
CAS No.:	2225887-26-1
Molecular Formula:	C ₃₁ H ₃₈ FN ₉ O
Molecular Weight:	571.69
Target:	EGFR
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (3.64 mM); Clear solution
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BIOLOGICAL ACTIVITY

Description EGFR-IN-5 is a EGFR inhibitor with IC₅₀s of 10.4, 1.1, 34, 7.2 nM for EGFR, EGFR^{L858R}, EGFR^{L858R/T790M}, and EGFR^{L858R/T790M/C797S}, respectively.

IC ₅₀ & Target	EGFR	EGFR ^{L858R}	EGFR ^{L858R/T790M}	EGFR ^{L858R/T790M/C797S}
	10.4 nM (IC ₅₀)	1.1 nM (IC ₅₀)	34 nM (IC ₅₀)	7.2 nM (IC ₅₀)

REFERENCES

[1]. Zhang H, et al. Discovery of 2,4,6-trisubstituted pyrido[3,4-d]pyrimidine derivatives as new EGFR-TKIs. Eur J Med Chem. 2018 Mar 25;148:221-237.

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

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