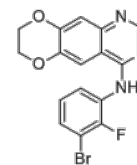


Product Name : JCN037
Cat. No. : PC-38187
CAS No. : 2305154-31-6
Molecular Formula : C₁₆H₁₁BrFN₃O₂
Molecular Weight : 376.185
Target : EGFR
Solubility : 10 mM in DMSO



Biological Activity

JCN037 (JCN 037, JGK037) is novel potent, brain-penetrant, noncovalent **EGFR** TKI with IC₅₀ of 2.49 nM.

JCN037 demonstrated both nanomolar potency against both mutant EGFRvIII and wtEGFR in cellular assays (IC₅₀=3.85 and 4.48 nM, respectively) and greater than 2:1 brain to plasma levels.

JCN037 shows high inhibitory activity against EGFRvIII mutant patient derived GBM cells, HK301 and GBM39, which is more potent than Erlotinib and Lapatinib.

JCN037 displays superior efficacy in an EGFR-driven orthotopic glioblastoma xenograft model.

References

Jonathan E Tsang, et al. *ACS Med Chem Lett.* 2020 May 1;11(10):1799-1809.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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