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# Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

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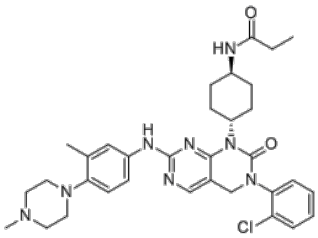
| **Product Name** | : | JND3229 |
| **Cat. No.** | : | PC-35826 |
| **CAS No.** | : | 2260886-64-2 |
| **Molecular Formula** | : | $C_{33}H_{41}ClN_8O_2$ |
| **Molecular Weight** | : | 617.195 |
| **Target** | : | EGFR |
| **Solubility** | : | 10 mM in DMSO |



## Biological Activity

JND3229 (JND-3229) is a novel highly potent, reversible **EGFR C797S mutant** inhibitor, potently inhibits the kinase activities of EGFRL858R/T790M and EGFRL858R/T790M/C797 with IC50 of 5.8 nM and 30.5 nM, respectively.
JND3229 inhibits WT EGFR with IC50 of 6.8 nM, JND3229 potently inhibits the phosphorylation of EGFRL858R/T790M/C797S and EGFR19D/T790M/C797S in a dose-dependent manner in cell-based assays.
JND3229 also demonstrates strong inhibition on the EGFRC797S activation in the BaF3 cell.
JND3229 inhibits the proliferation of BaF3 cells harboring the EGFRL858R/T790M/C797S and EGFR19D/T790M/C797S mutations with IC50 values of 0.51 and 0.32 μM, respectively.
JND3229 demonstrates in vivo monodrug anticancer efficacy in xenograft mouse models.

## References

Lu X, et al. ***ACS Med Chem Lett.*** 2018 Oct 8;9(11):1123-1127.

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

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