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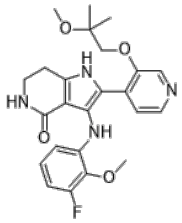
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	BAY 2476568
Cat. No.	:	PC-23314
CAS No.	:	2311901-93-4
Molecular Formula	:	$C_{24}H_{27}FN_4O_4$
Molecular Weight	:	454.50
Target	:	EGFR
Solubility	:	10 mM in DMSO



CAS: 2311901-93-4

Biological Activity

BAY 2476568 (BAY-598) is the first reversible, potent and selective inhibitor of **EGFR exon 20 insertions** with IC50 of 20 and 24 nM for V769_D770insASV (insASV) and D770_N771insSVD (insSVD), with a wide margin of selectivity versus WT EGFR.
BAY 2476568 (BAY-598) exhibits greater than 20-fold selectivity for EGFR exon 20 insertions compared to wild-type EGFR in isogenic Ba/F3 models and in cancer cell lines endogenously expressing EGFR exon 20 insertions.
BAY 2476568 (BAY-598) demonstrates the ability of BAY-568 to kill cancer cells harboring exon 20 insertions and other EGFR mutations with decreased activity on wild-type EGFR, irrespective of C797S mutation status.

References

Patent WO2019081486A1.

F. Siegel et al. ***Cancer Res***. 81, 1470–1470 (2021).

Hanchen Zhao, et al. ***Proc Natl Acad Sci U S A.*** 2024 Nov 5;121(45):e2417144121.

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

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