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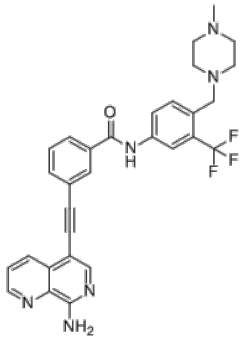
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	HSL119
Cat. No.	:	PC-21782
CAS No.	:	2231745-56-3
Molecular Formula	:	$C_{30}H_{27}F_3N_6O$
Molecular Weight	:	544.58
Target	:	EGFR
Solubility	:	10 mM in DMSO



CAS: 2231745-56-3

Biological Activity

HSL119 (HSL-119) is a potent and selective hormonally upregulated neu-associated kinase (**HUNK**) inhibitor, completely inhibits HUNK kinase activity at 1 uM in biochemical assays.
HSL119 directly inhibits the activity of HUNK in HER2+ breast cancer cells.
HSL119 (1 uM) completely blocks phosphorylation of the Rubicon S92 phosphorylation site in vitro.
HSL119 inhibits survival of human HER2+ breast cancer cells with IC5o of 1.7 uM (JIMT-1 cell), but not inhibitors of ABL1, FLT3, and RET, JIMT-1 cells are in fact resistant to neratinib.
HSL119 results in gene expression changes equivalent to HUNK shRNA.
HSL119 (30 mg/kg) demonstrates tumor growth in mice implanted with WHIM8 PDX.
HUNK is downstream in the **HER2 pathway**, HUNK promotes autophagy in HER2+ breast cancer.

References

Dilday T, et al. ***Cell Chem Biol.*** 2024 Jan 25:S2451-9456(24)00037-0.

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