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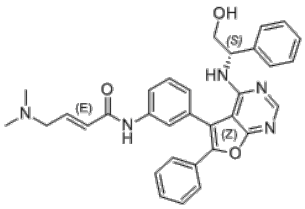
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	DBPR112
Cat. No.	:	PC-73088
CAS No.	:	1226549-49-0
Molecular Formula	:	$C_{32}H_{31}N_5O_3$
Molecular Weight	:	533.632
Target	:	EGFR
Solubility	:	10 mM in DMSO



Biological Activity

DBPR112 (DBPR 112) is a highly potent, selective inhibitor of **EGFR mutant L858R/T790M** (IC50=48 nM) and exon 20 insertion mutations.
DBPR112 inhibited HCC827 cell growth with IC50 of 25 nM, exhibited tenfold potency better than the third-generation inhibitor, osimertinib, against EGFR and HER2 exon 20 insertion mutations.
DBPR112 demonstrated significant antitumor efficacy in in vivo xenograft models.

References

Shu-Yu Lin, et al. ***J Med Chem.*** 2019 Nov 27;62(22):10108-10123.

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