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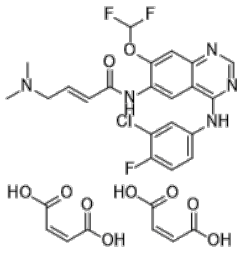
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Mefatinib
Cat. No.	:	PC-22307
CAS No.	:	1989592-50-8
Molecular Formula	:	$C_{29}H_{27}ClF_3N_5O_{10}$
Molecular Weight	:	698.01
Target	:	EGFR
Solubility	:	10 mM in DMSO



CAS: 1989592-50-8

Biological Activity

Mefatinib (Mifanertinib dimaleate, MET306, MET-306) is a potent, bioavailable, second-generation, irreversible dual inhibitor of **EGFR/HER2** with IC50 of 0.4/11.7 nM, respectively.
Mefatinib demonstrated similar or even better anti-tumor activity as compared with afatinib in nude mouse xenograft models of erlotinib-resistant human NSCLC NCI-H1975 harboring EGFR L858R/T790M double mutation.

References

Wang P, et al. ***Signal Transduct Target Ther.*** 2021 Nov 1;6(1):374.

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

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