Product Datasheet

(R)-Afatinib (orb1744576)

Description	(R)-Afatinib ((R)-BIBW 2992), an isomer of Afatinib, is a potent, orally administered, irreversible inhibitor targeting the ErbB family (EGFR and HER2) with IC50 values of 0.5 nM for EGFR wt, 0.4 nM for EGFR L858R, 10 nM for EGFR L858R/T790M, and 14 nM for HER2, holding potential for research into esophageal squamous cell carcinoma (ESCC), non-small cell lung cancer (NSCLC), and gastric cancer [1].
Storage	-20°C
Note	For research use only
Formula	$C_{24}H_{25}ClFN_5O_3$
Purity	98.00%
MW	485.94
CAS Number	439081-17-1
SMILES	N(C=1C2=C(C=C(O[C@@H]3CCOC3)C(NC(C=CCN(C)C)=O)=C2)N=CN1)C4=CC(Cl)=C(F)C=C4
Expiration Date	12 months from date of receipt.

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