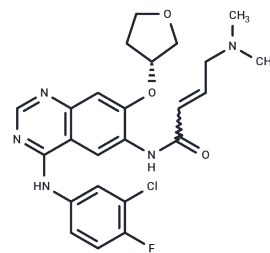


(R)-Afatinib

Chemical Properties

CAS No. :	439081-17-1
Formula:	C ₂₄ H ₂₅ ClFN ₅ O ₃
Molecular Weight:	485.94
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

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 IC ₅₀ 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].
Targets(IC ₅₀)	EGFR,Others,c-Met/HGFR,p38 MAPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0579 mL	10.2893 mL	20.5787 mL
5 mM	0.4116 mL	2.0579 mL	4.1157 mL
10 mM	0.2058 mL	1.0289 mL	2.0579 mL
50 mM	0.0412 mL	0.2058 mL	0.4116 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481