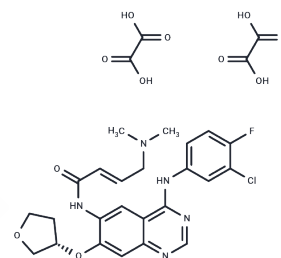


Afatinib oxalate

Chemical Properties

CAS No. :	1398312-64-5
Formula:	C ₂₈ H ₂₉ ClFN ₅ O ₁₁
Molecular Weight:	666.01
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	Afatinib (BIBW 2992) oxalate is an irreversible, orally active bispecific inhibitor of the ErbB family (EGFR and HER2) with IC ₅₀ values of 0.5 nM for EGFRwt, 0.4 nM for EGFR L858R, 10 nM for EGFR L858R/T790M, and 14 nM for HER2. Afatinib oxalate can be used to study esophageal squamous cell carcinoma (ESCC), non-small cell lung cancer (NSCLC), and gastric cancer.
Targets(IC ₅₀)	Apoptosis,EGFR,Others,Akt,Autophagy,c-Met/HGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5015 mL	7.5074 mL	15.0148 mL
5 mM	0.3003 mL	1.5015 mL	3.003 mL
10 mM	0.1501 mL	0.7507 mL	1.5015 mL
50 mM	0.030 mL	0.1501 mL	0.3003 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

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