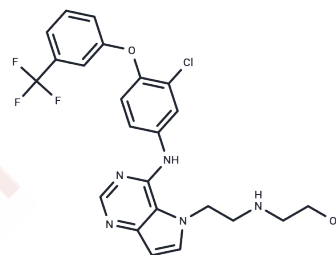


## EGFR/HER2-IN-11

## Chemical Properties

CAS No. :	1346176-20-2
Formula:	C <sub>23</sub> H <sub>21</sub> ClF <sub>3</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	491.89
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	EGFR/HER2-IN-11 (compound 20), an orally active dual inhibitor targeting human epidermal growth factor receptor 2 (HER2) and epidermal growth factor receptor (EGFR), demonstrates IC <sub>50</sub> values of 7.7 nM and 22 nM, respectively. This compound shows strong antitumor efficacy, specifically inhibiting the proliferation of BT-474 cancer cells with a GI <sub>50</sub> of 601 nM [1].
Targets(IC <sub>50</sub> )	EGFR
In vivo	EGFR/HER2-IN-11, administered orally at a dosage of 10 mg/kg, exhibits a metabolic stability of 59 μL/min/mg and an AUC (0-8 h) of 2.476 μg·h/mL in BALB/c mice [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.033 mL	10.1649 mL	20.3297 mL
5 mM	0.4066 mL	2.033 mL	4.0659 mL
10 mM	0.2033 mL	1.0165 mL	2.033 mL
50 mM	0.0407 mL	0.2033 mL	0.4066 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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