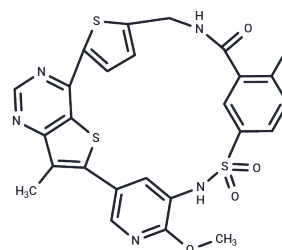


IBL-302

## Chemical Properties

CAS No. : 1414455-21-2  
 Formula: C<sub>25</sub>H<sub>18</sub>FN<sub>5</sub>O<sub>4</sub>S<sub>3</sub>  
 Molecular Weight: 567.64  
 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	IBL-302 (AMU302), an orally available dual-signaling inhibitor targeting PIM and PI3K/AKT/mTOR, is effective against breast cancer and neuroblastoma. It has shown in vivo efficacy in a nude mouse xenograft model by combating trastuzumab resistance. Additionally, IBL-302 augments the effectiveness of widely used cytotoxic chemotherapy drugs such as cisplatin, doxorubicin, and etoposide [1] [2] [3].
Targets(IC50)	Akt,mTOR,PI3K,Pim

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7617 mL	8.8084 mL	17.6168 mL
5 mM	0.3523 mL	1.7617 mL	3.5234 mL
10 mM	0.1762 mL	0.8808 mL	1.7617 mL
50 mM	0.0352 mL	0.1762 mL	0.3523 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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