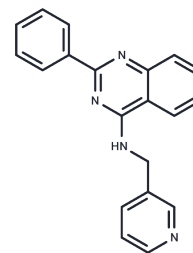


EGFR-IN-146

Chemical Properties

CAS No. : 166039-38-9
 Formula: C₂₀H₁₆N₄
 Molecular Weight: 312.368
 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-IN-146 is an EGFR inhibitor that suppresses the EGFR signaling pathway and improves insulin sensitivity by activating the AMPK pathway. It effectively reduces blood glucose levels and body weight, showing great potential in the study of diabetes and obesity.
Targets(IC50)	EGFR,AMPK
In vitro	EGFR-IN-146 (Compound 53) (10 μM) effectively enhances glucose uptake in the C2C12 cell model, serving a role in lowering blood sugar levels.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2013 mL	16.0067 mL	32.0133 mL
5 mM	0.6403 mL	3.2013 mL	6.4027 mL
10 mM	0.3201 mL	1.6007 mL	3.2013 mL
50 mM	0.064 mL	0.3201 mL	0.6403 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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