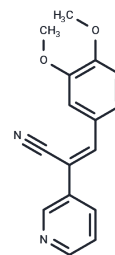


(Z)-RG-13022

Chemical Properties

CAS No. : 149286-90-8
 Formula: C₁₆H₁₄N₂O₂
 Molecular Weight: 266.29
 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	(Z)-RG-13022 is a tyrosine kinase (TK) inhibitor that preferentially inhibits the TK activity of the EGF receptor, restricting the EGF-stimulated growth of cultured cells. It demonstrates an IC ₅₀ of 11 μM for DNA synthesis in HN5 cells, showcasing thrice the potency of its isomer, (E)-RG-13022 (IC ₅₀ = 38 μM). This compound is applied in breast cancer cell research [1] [2].
Targets(IC ₅₀)	EGFR,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7553 mL	18.7765 mL	37.553 mL
5 mM	0.7511 mL	3.7553 mL	7.5106 mL
10 mM	0.3755 mL	1.8777 mL	3.7553 mL
50 mM	0.0751 mL	0.3755 mL	0.7511 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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