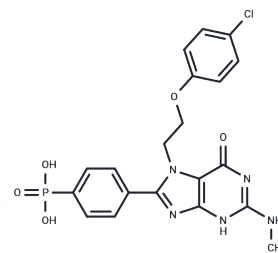


eIF4E-IN-4

Chemical Properties

CAS No. : 1373822-39-9
 Formula: C₂₀H₁₉ClN₅O₅P
 Molecular Weight: 475.822
 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	eIF4E-IN-4 (Compound 33) is a selective inhibitor of the eukaryotic initiation factor 4E (eIF4E) with a biochemical activity value of 95 nM. It inhibits cap-dependent mRNA translation with an IC ₅₀ of 2.5 μM and is applicable in research on breast cancer, colon cancer, and head and neck cancer.
Targets(IC ₅₀)	PERK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1016 mL	10.5082 mL	21.0164 mL
5 mM	0.4203 mL	2.1016 mL	4.2033 mL
10 mM	0.2102 mL	1.0508 mL	2.1016 mL
50 mM	0.042 mL	0.2102 mL	0.4203 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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