

eIF4E-IN-3

Chemical Properties

CAS No. : 2573979-29-8
Formula: C₃₄H₃₀ClF₃N₆O₄S
Molecular Weight: 711.16
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-3 is a small-molecule inhibitor targeting eIF4E that disrupts cap-dependent mRNA translation initiation. By inhibiting eIF4E function, eIF4E-IN-3 modulates translation of specific proteins and has potential applications in mechanistic studies of eIF4E-dependent diseases such as cancer.
Targets(IC50)	PERK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4062 mL	7.0308 mL	14.0615 mL
5 mM	0.2812 mL	1.4062 mL	2.8123 mL
10 mM	0.1406 mL	0.7031 mL	1.4062 mL
50 mM	0.0281 mL	0.1406 mL	0.2812 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.

Reference

Samuel Sperry, et al. Eif4e-inhibiting 4-oxo-3,4-dihydropyrido[3,4-d]pyrimidine compounds. Patent WO2021003157A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481