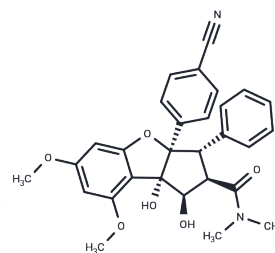


Antiproliferative agent-64

Chemical Properties

CAS No. : 1139263-21-0
 Formula: C₂₉H₂₈N₂O₆
 Molecular Weight: 500.54
 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 | Antiproliferative agent-64 (Compound 76) functions as an inhibitor of the eukaryotic translation initiation factor 4E (eIF4E) and disrupts the secondary structure of mRNA, thereby hindering protein translation. It inhibits the 5' untranslated region (5'UTR) of c-Myc with an EC ₅₀ of 1.2 nM and the 5'UTR of tubulin with an EC ₅₀ of 40 nM. Additionally, Antiproliferative agent-64 suppresses the proliferation of MDA-MB-231 cells with an EC ₅₀ of 7 nM. |
| Targets(IC ₅₀) | Microtubule Associated, DNA/RNA Synthesis |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.9978 mL | 9.9892 mL | 19.9784 mL |
| 5 mM | 0.3996 mL | 1.9978 mL | 3.9957 mL |
| 10 mM | 0.1998 mL | 0.9989 mL | 1.9978 mL |
| 50 mM | 0.040 mL | 0.1998 mL | 0.3996 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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