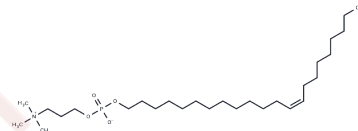


Erufosine

Chemical Properties

CAS No. : 202867-33-2
 Formula: C₂₈H₅₈NO₄P
 Molecular Weight: 503.74
 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	Erufosine is an inhibitor of the PI3K/Akt and Ras/Raf/MAPK signaling pathways. It suppresses the activity of breast cancer cell lines MCF-7 and MDA-MB 231 with an IC ₅₀ of 40.95/40.8 μM, respectively. Erufosine reduces phosphorylation of PI3K(p85), Akt (PKB), and cRaf, making it applicable in research on breast cancer and myeloid leukemia.
Targets(IC ₅₀)	Raf,Akt,p38 MAPK,PI3K,Ras

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9852 mL	9.9258 mL	19.8515 mL
5 mM	0.397 mL	1.9852 mL	3.9703 mL
10 mM	0.1985 mL	0.9926 mL	1.9852 mL
50 mM	0.0397 mL	0.1985 mL	0.397 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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