

N-Palmitoyl Phenylalanine

Chemical Properties

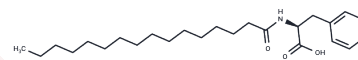
CAS No. : 37571-96-3

Formula: C₂₅H₄₁NO₃

Molecular Weight: 403.60

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	N-Palmitoyl phenylalanine is an N-acylamide compound combining the long-chain saturated fatty acid palmitic acid with the essential amino acid L-phenylalanine through an amide bond. In nuclear extracts of HeLa cells, this compound inhibits pre-mRNA splicing activity (IC ₅₀ = ~150 μM); however, it does not exhibit splicing activity in whole HeLa cells.
Targets(IC ₅₀)	DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4777 mL	12.3885 mL	24.777 mL
5 mM	0.4955 mL	2.4777 mL	4.9554 mL
10 mM	0.2478 mL	1.2389 mL	2.4777 mL
50 mM	0.0496 mL	0.2478 mL	0.4955 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

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