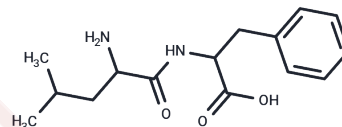


DL-Leucyl-DL-phenylalanine

Chemical Properties

CAS No. :	56217-82-4
Formula:	C ₁₅ H ₂₂ N ₂ O ₃
Molecular Weight:	278.35
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	DL-Leucyl-DL-phenylalanine, a dipeptide, serves as a substrate for detecting two distinct regions of dipeptidase staining on gels in both <i>Drosophila simulans</i> and <i>Drosophila melanogaster</i> .
Targets(IC50)	Others
In vitro	DL-Leucyl-DL-phenylalanine is a dipeptide[1]. Its activity includes inhibiting cell proliferation and inducing apoptosis in various cancer cell lines, potentially through modulation of signaling pathways. Moreover, it demonstrates anti-inflammatory properties by reducing pro-inflammatory cytokine production, suggesting its therapeutic potential in both oncology and inflammatory diseases.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5926 mL	17.963 mL	35.926 mL
5 mM	0.7185 mL	3.5926 mL	7.1852 mL
10 mM	0.3593 mL	1.7963 mL	3.5926 mL
50 mM	0.0719 mL	0.3593 mL	0.7185 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

Ohnishi S,. Comparative studies of allozyme loci in *Drosophila simulans* and *Drosophila melanogaster*. I. Three dipeptidase loci. *Biochem Genet.* 1981;19(1-2):75-85.

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