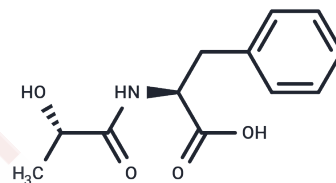


## N-Lactoyl-Phenylalanine

## Chemical Properties

CAS No. :	183241-73-8
Formula:	C <sub>12</sub> H <sub>15</sub> NO <sub>4</sub>
Molecular Weight:	237.25
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-Lactoyl-Phenylalanine (Lac-Phe) is a peptide coupling of lactic acid and phenylalanine, one of the metabolites in acute exercise, which can be used in the study of obesity and metabolism-related diseases.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	H <sub>2</sub> O: 10 mg/mL (42.15 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.215 mL	21.0748 mL	42.1496 mL
5 mM	0.843 mL	4.215 mL	8.4299 mL
10 mM	0.4215 mL	2.1075 mL	4.215 mL
50 mM	0.0843 mL	0.4215 mL	0.843 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

Li VL, et al. An exercise-inducible metabolite that suppresses feeding and obesity. Nature. 2022 Jun;606(7915): 785-790.

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