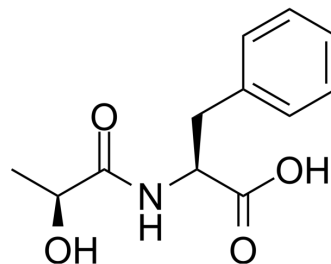


N-Lactoyl-Phenylalanine

Cat. No.:	HY-150012		
CAS No.:	183241-73-8		
Molecular Formula:	C ₁₂ H ₁₅ NO ₄		
Molecular Weight:	237.25		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 20.83 mg/mL (87.80 mM; ultrasonic and warming and heat to 80°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.2150 mL	21.0748 mL	42.1496 mL
		5 mM	0.8430 mL	4.2150 mL	8.4299 mL
10 mM		0.4215 mL	2.1075 mL	4.2150 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 10 mg/mL (42.15 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	N-Lactoyl-Phenylalanine is a blood-borne signalling metabolite and can be used for obesity research. N-Lactoyl-Phenylalanine is exercise-inducible ^[1] .
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REFERENCES

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

Caution: Product has not been fully validated for medical applications. For research use only.

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