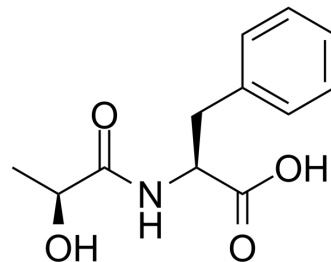


N-Lactoyl-Phenylalanine

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

H₂O : 20.83 mg/mL (87.80 mM; ultrasonic and warming and heat to 80°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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.

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].

IC₅₀ & Target

Human Endogenous Metabolite

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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