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Product Datasheet

Lactoyl phenylalanine FBM-10-5713

Artikelname	Lactoyl phenylalanine
Artikelnummer	FBM-10-5713
Hersteller Artikelnummer	10-5713
Alternativnummer	FBM-10-5713-5MG,FBM-10-5713-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Anorexigenic circulating metabolite...
Molekulargewicht	237.26
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[183241-73-8]
Formel	C ₁₂ H ₁₅ NO ₄

Anwendungsbeschreibung

Exercise is associated with transient suppression of appetite which previously has been attributed to induction of appetite-regulatory hormone such as GLP-11 or the increase in circulating metabolites including L-lactate². A targeted metabolomics approach with blood samples from two independent human exercise studies resulted in the identification of N-lactoyl-phenylalanine (Lac-Phe, 183241-73-8) as a highly upregulated circulating metabolite following exercise.³ Lac-Phe was shown, using pharmacological and genetic methods, to be an exercise-inducible metabolite that suppresses feeding and obesity. A single injection of Lac-Phe was demonstrated to reduce food intake by ~50% in diet-induced obese mice. However, Lac-Phe is completely inactive when administered orally.⁴