

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

N-Oleoylphenylalanine FBM-10-1602

Article Name	N-Oleoylphenylalanine
Biozol Catalog Number	FBM-10-1602
Supplier Catalog Number	10-1602
Alternative Catalog Number	FBM-10-1602-5MG,FBM-10-1602-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Endogenous uncoupler of mitochondrial respiration...
Molecular Weight	429.64
Purity	99% by TLC, NMR (Conforms)
Form	Off-white solid
CAS Number	[136560-78-6]
Formula	C27H43NO3
Application Notes	An endogenous lipoamino acid produced via the action of a secreted enzyme PM20D1 produced by adipocytes. N-Oleoylphenylalanine binds directly to mitochondria and functions as an endogenous uncoupler of UCP1-independent respiration and is the most potent in the group of structurally different lipoamino acids evaluated. Mice treated with an analog, C18-1-Leu, were found to have improved glucose homeostasis and increased energy expenditure. ¹