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## Product Datasheet

### N-Oleoylphenylalanine, CAS [[136560-78-6]]

### FBM-10-1602

Article Name	N-Oleoylphenylalanine, CAS [[136560-78-6]]
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	C <sub>27</sub> H <sub>43</sub> NO <sub>3</sub>
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. <sup>1</sup>