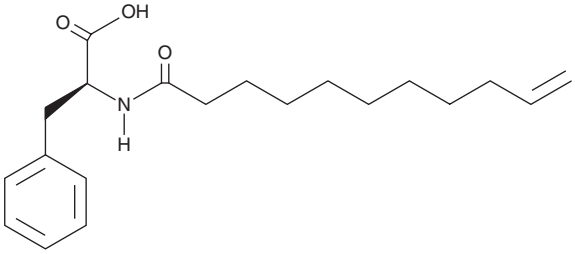
PRODUCT INFORMATION

Undecylenoyl Phenylalanine

Item No. 41467

CAS Registry No.: 175357-18-3
Formal Name: N-(1-oxo-10-undecen-1-yl)-L-phenylalanine
MF: $C_{20}H_{29}NO_3$
FW: 331.5
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Undecylenoyl phenylalanine is supplied as a solid. A stock solution may be made by dissolving the undecylenoyl phenylalanine in the solvent of choice, which should be purged with an inert gas. Undecylenoyl phenylalanine is soluble (≥10 mg/ml) in DMSO and sparingly soluble (1-10 mg/ml) in ethanol.

Description

Undecylenoyl phenylalanine is a lipoamino acid.[1] Liposomes containing undecylenoyl phenylalanine increase skin penetration and retention of undecylenoyl phenylalanine, as well as reduce melanin levels, in minipig skin. Formulations containing undecylenoyl phenylalanine have been used in skin-brightening cosmetics.

Reference

1. Ni, C., Zhang, Z., Wang, Y., *et al.* Hyaluronic acid and HA-modified cationic liposomes for promoting skin penetration and retention. *J. Control Release* **357**, 432-443 (2023).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 08/16/2024

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM