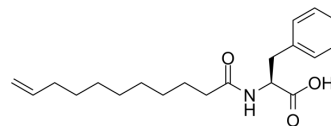


## Undecylenoyl phenylalanine

Cat. No.:	HY-135014
CAS No.:	175357-18-3
Molecular Formula:	C <sub>20</sub> H <sub>29</sub> NO <sub>3</sub>
Molecular Weight:	331.45
Target:	Melanocortin Receptor; Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Undecylenoyl phenylalanine is an antagonist for $\alpha$ -melanocyte-stimulating hormone (MSH) and $\beta$ -adrenergic receptor ( $\beta$ -ADR) to reduce the melanogenesis in melanocytes, reduces hyperpigmentation and thus ameliorates melasma lesions and solar lentigines <sup>[1]</sup> .
IC <sub>50</sub> & Target	$\beta$ -adrenoceptor

### REFERENCES

[1]. Katoulis A, et al., A double-blind vehicle-controlled study of a preparation containing undecylenoyl phenylalanine 2% in the treatment of melasma in females. J Cosmet Dermatol. 2014 Jun;13(2):86-90.

[2]. Katoulis AC, et al., A randomized, double-blind, vehicle-controlled study of a preparation containing undecylenoyl phenylalanine 2% in the treatment of solar lentigines. Clin Exp Dermatol. 2010 Jul;35(5):473-6.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA