



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

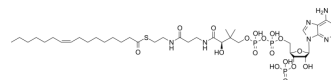
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Palmitoleoyl-CoA

Cat. No.:	HY-137782
CAS No.:	18198-76-0
Molecular Formula:	C ₃₇ H ₆₄ N ₇ O ₁₇ P ₃ S
Molecular Weight:	1003.93
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Palmitoleoyl-CoA can be activated and transported into the mitochondria for metabolism, specifically for β -oxidation. Palmitoleoyl-CoA induces the cardiac mitochondrial membrane permeability transition, which causes mitochondrial dysfunction. Palmitoleoyl-CoA regulates metabolism via allosteric control of AMPK β 1-isoforms^{[1][2]}.

REFERENCES

- [1]. Stephen L Pinkosky, et al. Long-chain fatty acyl-CoA esters regulate metabolism via allosteric control of AMPK β 1 isoforms. Nat Metab. 2020 Sep;2(9):873-881.
- [2]. Oyanagi E, et al., Palmitoleic acid induces the cardiac mitochondrial membrane permeability transition despite the presence of L-carnitine. Biochem Biophys Res Commun. 2015 Jul 17-24;463(1-2):29-36.

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