



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

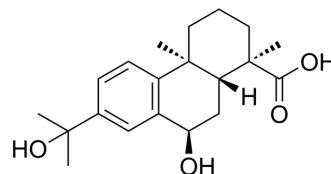
mail@szabo-scandic.com

www.szabo-scandic.com

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

7 α ,15-Dihydroxydehydroabietic acid

Cat. No.:	HY-N7830
CAS No.:	155205-64-4
Molecular Formula:	C ₂₀ H ₂₈ O ₄
Molecular Weight:	332.43
Target:	ERK
Pathway:	MAPK/ERK Pathway; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	7 α ,15-Dihydroxydehydroabietic acid is a natural abietane-type diterpenoid with antiangiogenic effects ^[1] .								
In Vitro	7 α ,15-Dihydroxydehydroabietic acid (3.125-100 μ M; 24 hours) significantly decreases HUVEC cell viability ^[1] . 7 α ,15-Dihydroxydehydroabietic acid (3.125-6.25 μ M; 24 hours) significantly inhibits the promotion of angiogenesis in HUVECs. 7 α ,15-Dihydroxydehydroabietic acid inhibits angiogenesis through downregulation of the VEGF, p-Akt and p-ERK signaling pathways ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.								
	Cell Viability Assay ^[1]								
	<table border="1"> <tr> <td>Cell Line:</td> <td>Human umbilical vein endothelial cells (HUVECs)</td> </tr> <tr> <td>Concentration:</td> <td>3.125 μM, 6.25 μM, 12.5 μM, 25 μM, 50 μM, 100 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>24 hours</td> </tr> <tr> <td>Result:</td> <td>Significantly decreased HUVEC cell viability.</td> </tr> </table>	Cell Line:	Human umbilical vein endothelial cells (HUVECs)	Concentration:	3.125 μ M, 6.25 μ M, 12.5 μ M, 25 μ M, 50 μ M, 100 μ M	Incubation Time:	24 hours	Result:	Significantly decreased HUVEC cell viability.
Cell Line:	Human umbilical vein endothelial cells (HUVECs)								
Concentration:	3.125 μ M, 6.25 μ M, 12.5 μ M, 25 μ M, 50 μ M, 100 μ M								
Incubation Time:	24 hours								
Result:	Significantly decreased HUVEC cell viability.								
	Western Blot Analysis ^[1]								
	<table border="1"> <tr> <td>Cell Line:</td> <td>Human umbilical vein endothelial cells (HUVECs)</td> </tr> <tr> <td>Concentration:</td> <td>3.125 μM, 6.25 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>24 hours</td> </tr> <tr> <td>Result:</td> <td>Human umbilical vein endothelial cells (HUVECs)^[1] 3.125 μM, 6.25 μM 24 hours Showed downregulation of VEGF, p-Akt and p-ERK in HUVECs.</td> </tr> </table>	Cell Line:	Human umbilical vein endothelial cells (HUVECs)	Concentration:	3.125 μ M, 6.25 μ M	Incubation Time:	24 hours	Result:	Human umbilical vein endothelial cells (HUVECs) ^[1] 3.125 μ M, 6.25 μ M 24 hours Showed downregulation of VEGF, p-Akt and p-ERK in HUVECs.
Cell Line:	Human umbilical vein endothelial cells (HUVECs)								
Concentration:	3.125 μ M, 6.25 μ M								
Incubation Time:	24 hours								
Result:	Human umbilical vein endothelial cells (HUVECs) ^[1] 3.125 μ M, 6.25 μ M 24 hours Showed downregulation of VEGF, p-Akt and p-ERK in HUVECs.								

REFERENCES

[1]. Tae Kyoung Lee, et al. 7 α ,15-Dihydroxydehydroabietic acid from *Pinus koraiensis* inhibits the promotion of angiogenesis through downregulation of VEGF, p-Akt and p-ERK in HUVECs. *Bioorg Med Chem Lett*. 2018 Apr 1;28(6):1084-1089.

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