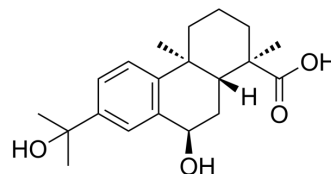


7 α ,15-Dihydroxydehydroabietic acid

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.
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	Western Blot Analysis ^[1]								
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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.

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