Excisanin A

Cat. No.:	HY-136699	
CAS No.:	78536-37-5	HO
Molecular Formula:	$C_{20}H_{30}O_{5}$	
Molecular Weight:	350.45	
Target:	Others	
Pathway:	Others	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	HO O OH

Product Data Sheet

Display and the second of MP-2, MMP-9, p-FAK, p-Src, integrin β1 protein. Excisanin A has the potential for the research of breast cancer ^[1] . In Vitro Excisanin A (5-80 µK); 24, 48, 72 h) shows antiproliferative activity in a time and dose dependent manner in MDA-MB-231, SKBR3 cells ^[1] . Excisanin A (10, 20, 40 µK); 24, 48, 72 h) shows antiproliferative activity in a time and dose dependent manner in MDA-MB-231, SKBR3 cells ^[1] . Excisanin A (10, 20, 40 µK); 24 h) inhibits cell migration, adhesion and invasion in MDA-MB-231, SKBR3 cells ^[1] . Excisanin A (10, 20, 40 µK); 24 h) inhibits cell migration, adhesion and invasion in MDA-MB-231, SKBR3 cells ^[1] . Excisanin A (10, 20, 40 µK); 24 h) inhibits cell migration, adhesion and invasion in MDA-MB-231, SKBR3 cells ^[1] . Excisanin A (10, 20, 40 µK); 24 h) inhibits cell migration, adhesion and invasion in MDA-MB-231, SKBR3 cells ^[1] . Cell Proliferation Assay ^[1] Cell Proliferation Assay ^[1] Cell Line: MDA-MB-231, SKBR3 cells Concentration: 5, 10, 20, 40, 80 µM Incubation Time: 24, 48, 72 h Result: Inhibited the cell growth with IC ₅₀ S of 22.4, 27.3 µM at 72 h for MDA-MB-231, SKBR3 cells, respectively. Western Blot Analysis ^[1] MDA-MB-231 cells Concentration: 10, 20, 40 µM Incubation Time: 24 h					
Description Excisanin A is a potent anticancer agent. Excisanin A inhibits cell proliferation, migration, adhesion and invasion. Excisanin A decreases the expression of MMP-2, MPP-9, p-FAK, p-Src, integrin β1 protein. Excisanin A has the potential for the research of breast cancer ^[1] . In Vitro Excisanin A (5-80 µM; 24, 48, 72 h) shows antiproliferative activity in a time and dose dependent manner in MDA-MB-231, SKBR3 cells ^[1] . Excisanin A (10, 20, 40 µM; 24 h) inhibits cell migration, adhesion and invasion in MDA-MB-231, SKBR3 cells ^[1] . Excisanin A (10, 20, 40 µM; 24 h) inhibits cell migration, adhesion of MMP-2, MMP-9, p-FAK, p-Src, integrin β1 protein in a dose dependent manner in MDA-MB-231 cells ^[1] . Excisanin A (10, 20, 40 µM; 24 h) inhibits cell migration, adhesion of MMP-2, MMP-9, p-FAK, p-Src, integrin β1 protein in a dose dependent manner in MDA-MB-231, SKBR3 cells ^[1] . Excisanin A (10, 20, 40 µM; 24 h) decreases the expression of MMP-2, MMP-9, p-FAK, p-Src, integrin β1 protein in a dose dependent manner in MDA-MB-231, SKBR3 cells ^[1] . Cell Line: Cell Proliferation Assay ^[1] MDA-MB-231, SKBR3 cells Concentration: 5, 10, 20, 40, 80 µM Result: Inhibited the cell growth with IC ₅₀ s of 22.4, 27.3 µM at 72 h for MDA-MB-231, SKBR3 cells, respectively. Western Blot Analysis ^[1] MDA-MB-231 cells MDA-MB-231 cells Concentration: 10, 20, 40 µM Incubation Time: 24 h MDA-MB-231 cells MDA-MB-231 cells 10, 20, 40 µM 10, 20, 40 µM 10, 20, 4	BIOLOGICAL ACTIVI				
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Cell Line:MDA-MB-231, SKBR3 cellsConcentration:5, 10, 20, 40, 80 µMIncubation Time:24, 48, 72 hResult:Inhibited the cell growth with IC50s of 22.4, 27.3 µM at 72 h for MDA-MB-231, SKBR3 cells, respectively.Western Blot Analysis ^[1] Vestern Blot Analysis ^[1] Cell Line:MDA-MB-231 cellsConcentration:10, 20, 40 µMIncubation Time:24 h	In Vitro	 Excisanin A (5-80 μM; 24, 48, 72 h) shows antiproliferative activity in a time and dose dependent manner in MDA-MB-231, SKBR3 cells^[1]. Excisanin A (10, 20, 40 μM; 24 h) inhibits cell migration, adhesion and invasion in MDA-MB-231, SKBR3 cells^[1]. Excisanin A (10, 20, 40 μM; 24 h) decreases the expression of MMP-2, MMP-9, p-FAK, p-Src, integrin β1 protein in a dose dependent manner in MDA-MB-231 cells^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Proliferation Assay^[1] 			
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		Incubation Time:	24 h		
Result:Decreased the expression of MMP-2 and MMP-9 protein and mRNA level in a dose- dependent manner.		Result:	Decreased the expression of MMP-2 and MMP-9 protein and mRNA level in a dose- dependent manner.		

REFERENCES

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[1]. Qin J, et al. A diterpenoid compound, excisanin A, inhibits the invasive behavior of breast cancer cells by modulating the integrin β1/FAK/PI3K/AKT/β-catenin signaling. Life Sci. 2013 Nov 4;93(18-19):655-63.

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

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