

# Investigating the Protective Effects of Platycodin D on Non-Alcoholic Fatty Liver Disease in a Palmitic Acid-Induced *In Vitro* Model

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## Materials

Name	Company	Catalog Number	Comments
5% BSA Blocking Buffer	Solarbio, Beijing, China	SW3015	
AML12 (alpha mouse liver 12) cell line	Procell Life Science&Technology Co., Ltd, China	AML12	
Beyo ECL Plus	Beyotime, Shanghai, China	P0018S	
Bio-safety cabinet	Esco Micro Pte Ltd, Singapore	AC2-5S1 A2	
cellSens	Olympus, Tokyo, Japan	1.8	
Culture CO2 Incubator	Esco Micro Pte Ltd, Singapore	CCL-170B-8	
Dexamethasone	Beyotime, Shanghai, China	ST125	
Dimethyl sulfoxide	Solarbio, Beijing, China	D8371	
DMEM/F12	Hyclone, Logan, UT, USA	SH30023.01	
Foetal Bovine Serum	Hyclone, Tauranga, New Zealand	SH30406.05	
Graphpad software	GraphPad Software Inc., San Diego, CA, USA	8.0	
HRP Goat Anti-Mouse IgG (H+L)	ABclonal, Wuhan, China	AS003	
Hydrophobic PVDF Transfer Membrane	Merck, Darmstadt, Germany	IPFL00010	
Insulin, Transferrin, Selenium Solution, 100x	Beyotime, Shanghai, China	C0341	
MAP LC3 $\beta$ Antibody	Santa Cruz Biotechnology (Shanghai) Co., Ltd	SC-376404	
Mitochondrial Membrane Potential Assay Kit with JC-1	Solarbio, Beijing, China	M8650	
Olympus Inverted Microscope IX53	Olympus, Tokyo, Japan	IX53	
Palmitic Acid	Sigma, Germany	P0500	
Penicillin-Streptomycin Solution (100x)	Hyclone, Logan, UT, USA	SV30010	
Phenylmethanesulfonyl fluoride	Beyotime, Shanghai, China	ST506	

Phosphate Buffered Solution	Hyclone, Logan, UT, USA	BL302A	
Platycodin D	Chengdu Must Bio-Technology Co., Ltd, China	CSA: 58479-68-8	
Protease inhibitor cocktail for general use, 100x	Beyotime, Shanghai, China	P1005	
Protein Marker	Solarbio, Beijing, China	PR1910	
Reactive Oxygen Species Assay Kit	Solarbio, Beijing, China	CA1410	
RIPA Lysis Buffer	Beyotime, Shanghai, China	P0013E	
SDS-PAGE Gel Quick Preparation Kit	Beyotime, Shanghai, China	P0012AC	
SDS-PAGE Sample Loading Buffer, 5x	Beyotime, Shanghai, China	P0015	
Sigma Centrifuge	Sigma, Germany	3K15	
SQSTM1/p62 Antibody	Santa Cruz Biotechnology (Shanghai) Co., Ltd	SC-28359	
Tecan Infinite 200 PRO	Tecan Austria GmbH, Austria	1510002987	
WB Transfer Buffer, 10x	Solarbio, Beijing, China	D1060	
β-Actin Mouse mAb	ABclonal, Wuhan, China	AC004	