

Supplementary Information

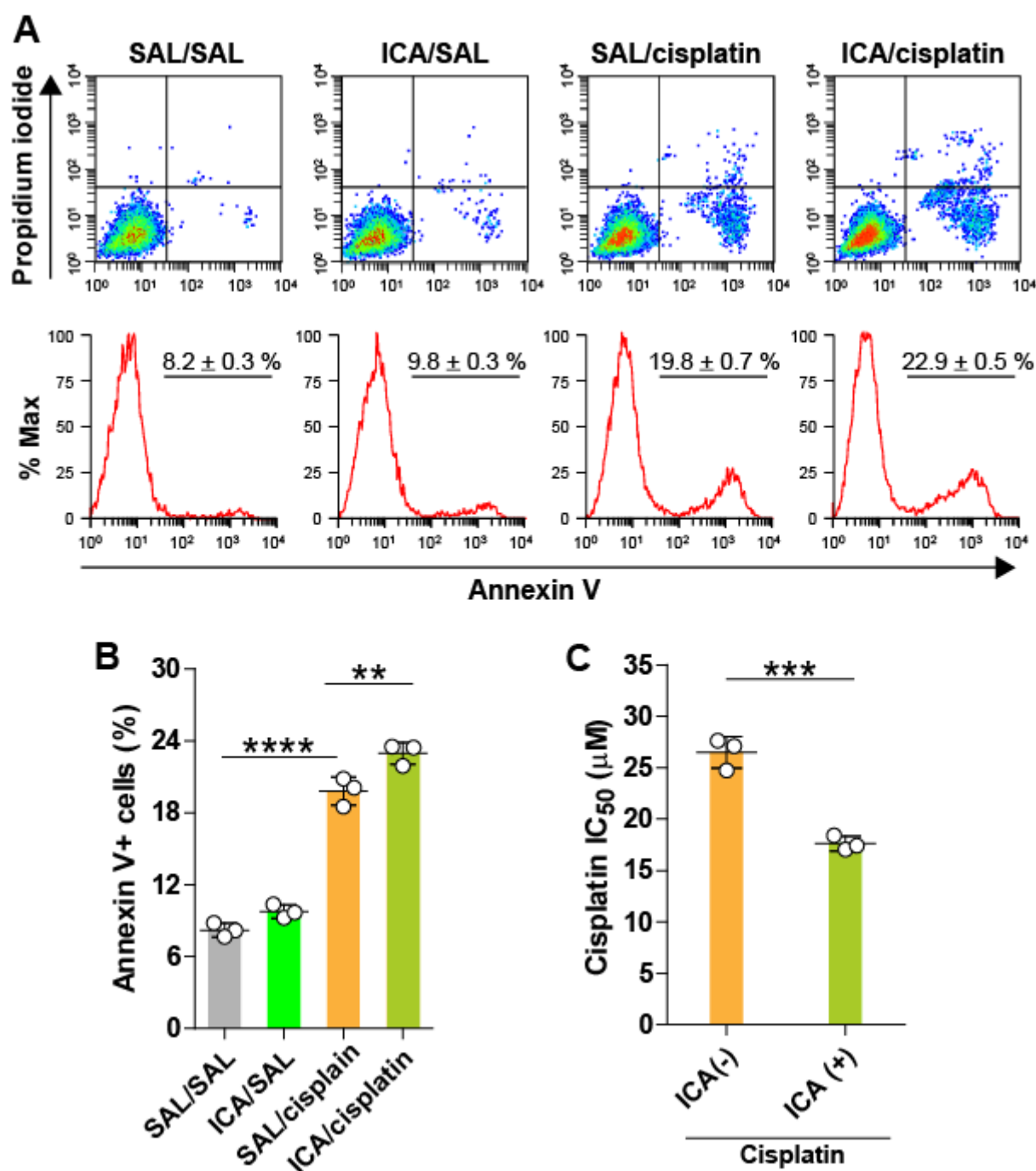
The fairy chemical imidazole-4-carboxamide inhibits the ex-pression of Axl, PD-L1, and PD-L2 and improves response to cisplatin in melanoma

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Supplementary Figure S1. ICA potentiates cisplatin activity. (A, B): B16F10 melanoma cells cultured in the presence of saline, ICA plus saline, cisplatin plus saline, or ICA plus cisplatin and apoptosis was evaluated by flow cytometry. **(C):** The 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl-2H-tetrazolium bromide (MTT) assay to calculate the cisplatin IC₅₀ was performed using a commercial kit. Data are expressed as the mean \pm S.D. $n=3$ in each treatment group. Statistical analysis was performed by ANOVA with Fisher's predicted least significant difference test. ** $p<0.01$; *** $p<0.001$; **** $p<0.0001$. ICA, imidazole-4-carboxamide; SAL, saline.

Supplementary Table S1. Antibodies used for Western blotting and flow cytometry analysis

Target	Application	Species reactivity	Manufacturers	Catalogue No	Host species & isotype
AXL	WB	human	Cell Signaling (Danvers, MA, USA)	#8661	Rabbit monoclonal antibody
AXL	WB	mouse	R&D System (Minneapolis, MN, USA)	MAB8541	Rat monoclonal antibody (IgG2a)
PD-L1	WB	human, mouse	Proteintech (Rosemont, IL, USA)	179521-1-AP	Rabbit polyclonal antibody
PD-L2	WB	human, mouse	Proteintech (Rosemont, IL, USA)	18251-1-AP	Rabbit polyclonal antibody
AXL	FC	mouse	R&D System (Minneapolis, MN, USA)	FAB8541-R	Rat monoclonal antibody (IgG2a)
PD-L1	FC	mouse	BioLegend (San Diego, CA, USA)	155404	Rat monoclonal antibody (IgG2a)
PD-L2	FC	mouse	BioLegend (San Diego, CA, USA)	107205	Rat monoclonal antibody (IgG2a)
Phosphatidylserine	FC		FITC-Annexin V, BioLegend (San Diego, CA, USA)	640906	
DNA	FC		Propidium iodide, BioLegend (San Diego, CA, USA)	556463	

PD-L1, programmed death-ligand 1; PD-L2, programmed death-ligand 2; WB, Western blotting; FC, flow cytometry; FITC, fluorescein isothiocyanate.