

Biological Activities of Condurango (*Marsdenia cundurango*)

Plant Part - Origin	Activity Tested For	Type Extract	Test Model	Dosage	Result	Notes/Organism tested	Ref #
Bark - Japan	Mutagenic Activity	MEOH ext H2O ext	Agar plate	50 mg / disc	Inactive	<i>Salmonella typhimurium</i>	T06535
Bark - Not stated	Allergenic Activity	H2O ext	Human Adult	3 mg / ml	Active	Case report of allergic reaction in patient with known latex allergy.	J15455
Bark - Not stated	Anti-tumor Activity	Fraction	IP Mouse	8-32 mg / kg	Active	CA-Ehrlich-Ascites	T04248
Bark - Ecuador	Anti-tumor Activity	Fraction	IP Mouse	Not stated	Active	CA-Ehrlich-Solid	T03050
Bark - Not stated	Cytotoxic Activity	H2O ext	Cell culture	10%	Inactive	HELA cells	T09507
Bark - Not stated	Cytotoxic Activity	H2O ext	Cylinder plate	5%	Equivocal	CA-Ehrlich-Ascites	T09507
Bark - Not stated	Cytotoxic Activity	Acetone ext	Cylinder plate	5%	Equivocal	CA-Ehrlich-Ascites	W03044
Bark - Not stated	Antileukemic Activity	MEOH ext	Cell culture	Not stated	Active	mouse myeloid leukemia cells	MC1001
Bark - Not stated	Bitter Tasting Effect	H2O ext	Human adult	Various	Active		W04494
Bark - Ecuador	Anti-inflammatory Activity	CH2CL2 ext	IG Mouse	1.25 g / kg	Active	vs carrageenan- induced pedal edema	K28882
Vine - Ecuador	Anti-inflammatory Activity	ETOH ext	IG Mouse	1.25 g / kg	Active	31.2% reduction of carrageenan- induced edema	L03441
Vine - Ecuador	Lipid Peroxide Inhibition	ETOH ext	Rat liver	100 mcg / ml	Active	23.5% inhibition	L03441
Not stated	Antimycobacterial Activity	ETOH ext	Broth culture	Not stated	Active	<i>Mycobacterium tuberculosis</i>	M27150
Bark- Not stated	Antiviral Activity	H2O ext	Cell culture	10%	Inactive	Virus-Herpes Type 2 Influenza A2 Vaccinia virus Poliovirus II	T09507

GI = Gastric Intubation IG = Intragastric IP = Intraperitoneally IV = Intravenously SC = Subcutaneously PO = Orally

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Vine - Ecuador	Antioxidant Activity	ETOH ext	In vitro	100 mcg / ml	Equivocal	Did not increase superoxide scavenging activity but inhibited hydroxyl radical formation by 15.6%	L03441
Vine - Ecuador	Xanthine Oxidase Inhibition	ETOH ext	In vitro	100 mcg / ml	Inactive		L03441
Vine - Ecuador	Diastase Inhibition	Not stated	Not stated	0.1%	Inactive		T16353
Vine - Ecuador	Biodiastase Inhibition	Not stated	Not stated	1.0%	Inactive		T16353
Vine - Ecuador	Pancreatin Inhibition	Not stated	Not stated	0.05%	Active		T16353
Bark - Not stated	Insecticidal Activity	H2O ext	In vitro	Various	Inactive	<i>Blatella germanica</i>	W03405
Bark - Not stated	Insecticidal Activity	H2O ext	In vitro	Various	Inactive	<i>Oncopeltus fasciatus</i>	W03405
Bark - Not stated	Insecticidal Activity	H2O ext	IV	40 ml / kg	Inactive	<i>Periplaneta americana</i>	W03405

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