

## Biological Activities of Bellaco-Caspi (*Himatanthus sucuuba*)

Plant Part - Origin	Activity Tested For	Type Extract	Test Model	Dosage	Result	Notes/Organism tested	Ref #
Bark Peru	Toxicity Assessment	Not stated	IP Mouse	1.0 mg/gm	Inactive		L12623
Bark Brazil	Abortifacient Activity	Decoction	IG Rat	40 mg/animal	Inactive		T16662
Bark Brazil	Teratogenic Activity	Decoction	IG Rat	40 mg/animal	Inactive		T16662
Bark Brazil	Monoamine Oxidase Type B Inhibition	MEOH Ext	IC50	Not stated	Active	A reaction mixture containing an enzyme preparation from rat brain homogenates and kynuramine as a substrate was used.	J13522
Latex Peru	Capillary Permeability	Latex	IP Rat	2.5 mg/animal	Active		L12623
Bark Peru	Cytotoxic Activity	Hexane Ext	Cell culture	125 mcg/ml	Active	CA-H460 lung cancer line CA-ME-180 lymphoma line DU-145 prostate cancer line MCF-7 breast cancer line HT20 colon cancer line	L18995
Stembark Peru	Cytotoxic Activity	Decoction	Cell culture	< 20 mcg/ml	Active	CA-YOSIHDA-ASC cancer	M01013
Latex Brazil	Anti-inflammatory Activity	Hexane Ext	IG Rat	200 mg/kg	Active	vs. carrageenan-induced pedal edema	L10112
Latex Brazil	Analgesic Activity	Hexane Ext	IG Rat	200 mg/kg	Active	vs. acetic acid-induced writhing	L10112
Bark Brazil	Gastroprotective Activity	Alkaloid Ext	PO Rat	30 mg/kg	Active	vs. ethanol-induced gastric lesions	BC2005
Bark Brazil	Smooth Muscle Activity	Not stated	Rat aorta	3-30 mcg/ml	Active	vs contractile responses by acetylcholine, caffeine, and phenylephrine	BC2006
Bark Peru	Anti-Yeast Activity	ETOH Ext	Agar plate	4 mg/ml	Active	vs. engineered yeasts	L18995
Bark Brazil	Anti-Yeast Activity	ETOH ext CHCL ext Hexane ext	Agar plate	Not stated	Active	<i>Candida albicans</i>	BC2003

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

Plant Part - Origin	Activity Tested For	Type Extract	Test Model	Dosage	Result	Notes/Organism tested	Ref #
Bark Brazil	Antifungal Activity	Hexane ext	Agar plate	5 mcg/ml	Active	<i>Cladosporium sphaerospermum</i>	BC2002
Latex Peru	Antibacterial Activity	MEOH Ext	Agar plate	10 mcl/plate	Active Active	<i>Pseudomonas aeruginosa</i> <i>Bacillus subtilis</i>	L17008
Bark Brazil	Antibacterial Activity	ETOH ext	Agar plate	Not stated	Active	Gram (+) & Gram (-) bacteria	BC2007
Bark Brazil	Antibacterial Activity	ETOH ext CHCL ext Hexane ext	Agar plate	Not stated	Active	<i>Bacillus subtilis</i> <i>Staphylococcus aureus</i> <i>Klebsiella pneumoniae</i> <i>Escherichia coli</i> <i>Mycobacterium phlei</i>	BC2003
Wood Peru	Antibacterial Activity	ETOH Ext	Agar plate	100 mcg/ml	Inactive	<i>Staphylococcus</i> strains <i>Streptococcus</i> strains <i>Bacillus</i> strains <i>Corynebacterium</i> strains <i>Clostridium histolyticum</i> <i>Bacteroides fragilis</i> <i>Escherichia coli</i>	L10234

[Return to the plant database file on Bellaco-Caspi](#)

© Copyrighted 2006 Raintree Nutrition, Inc. Carson City, Nevada 89701. All rights reserved.  
Please read the [Conditions of Use](#) and [Copyright Statement](#) for this document and website.

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