

Biological Activities of Huacapu (*Minquartia guianensis*)

Plant Part - Origin	Activity Tested For	Type Extract	Test Model	Dosage	Result	Notes/Organism tested	Ref #
Stembark / Ecuador	Cytotoxic Activity	H2O ext CHCL3 ext	Cell culture	ED50: 3.19 mcg ED50: 2.16 mcg	Active	Leukemia P388	H05052
Stembark / Ecuador	Anticrustacean Activity	H2O ext CHCL3 ext	Artemia larva	25.15 mcg/ml 20.4 mcg/ml	Active	Assay system is intended to predict for antitumor activity.	H05052
Bark / Brazil	Anticrustacean Activity	H2O ext MEOH ext	Artemia larva	20 mcg/ml	Active	Assay system is intended to predict for antitumor activity.	HU1003 HU1004
Bark / Peru	Antibacterial Activity	MEOH ext	Agar plate	10 mcl / disc	Active	<i>Pseudomonas aeruginosa</i> <i>Staphylococcus aureus</i> (resistant strain 19) <i>Staphylococcus aureus</i> (resistant strain 20) <i>Bacillus subtilis</i>	L17008
Bark / Ecuador	Antibacterial Activity	MEOH ext Petrol ext	Agar plate	Not stated	Inactive		H13322
Bark / Ecuador	Insecticidal Activity	MEOH ext Petrol ext	Agar plate	Not stated	Inactive		H13322

Biological Activities of Compounds in Huacapu (*Minquartia guianensis*)

Compounds	Activity Tested For	Type Extract	Test Model	Dosage	Result	Notes/Organism tested	Ref #
Minquartynoic acid	Cytotoxic Activity	Purified compound	Cell culture	IC50: 3.5 mcg IC50: 4.1 mcg IC50: 5.5 mcg IC50: 3.7 mcg IC50: 2.8 mcg IC50: 4.3 mcg IC50: 1.6 mcg IC50: 4.1 mcg IC50: 1.4 mcg IC50: 3.7 mcg	Active Active Active Active Active Active Active Active Active Active	Cancer line CA-BC-1 CA- LU-1 (lung cancer) CA-COLON-2 (colon cancer) CA-9KB (nasopharynx.) CA-KB-VI+ CA-KB-VI- CA-LNCAP CA-SW626 (ovarian) Human neuroblastoma mouse lung cancer	H27401
Minquartynoic acid	Cytotoxic Activity	Purified compound	Cell culture	ED50: 0.18 mcg	Active	Leukemia-P388	H05052 T14720
Minquartynoic acid	Anticrustacean Activity	Purified compound	Artemia larva	5.06 mcg/ml	Active	Assay system is intended to predict for antitumor activity	L12071
Minquartynoic acid	Antiviral Activity	Purified compound	Cell culture	IC50: 2.2 mcg/ml	Active	Virus-HIV-1	L15159
Minquartynoic acid	Antileishmaniasis Activity	Purified compound	In vitro	1.4 mcg/ml	Active	<i>Leishmania major</i>	L12071
Minquartynoic acid	Antimalarial Activity	Purified compound	In vitro	3.0 mcg/ml	Active	<i>Plasmodium falciparum</i>	L12071

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