

Biological Activities of Huanarpo Macho (*Jatropha macrantha*)

Plant Part - Origin	Activity Tested For	Type Extract	Test Model	Dosage	Result	Notes/Organism tested	Ref #
Root - Peru	Antioxidant Activity	H2O ext MEOH ext 2CLMETH ext	In vitro	IC50:>1000 mg/ml IC50: 154.2 mg/ml IC50: 73.7 mg/ml	Inactive Active Active	Measured by quenching of luminol-enhanced chemiluminescence.	L03868
Root - Peru	Anticrustacean Activity	MEOH ext CH2CL2 ext	<i>Artemia salina</i>	ED50: 667.0 mcg/ml ED50: 149.0 mcg/ml	Active Active	Assay system is intended to predict for antitumor activity.	K28202
Root - Peru	DNA Binding Effect	MEOH ext	In vitro	1.0 mg/ml	Inactive	DNA-Methyl Green Assay	K28202
Branch+sap Peru	Hormone Enhancement	Maceration	PO Mouse	5 g / 100 ml	Active	Significantly increased testosterone levels over controls.	HM1021

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