

Biological Activities for Extracts of Pata de Vaca (*Bauhinia forficata*)

Part – Origin	Activity Tested For	Type Extract	Test Model	Dosage	Result	Notes/Organism tested	Ref #
Entire Plant Brazil	Antihyperglycemic Activity	Hot H2O Ext	Oral Dog	10.0 ml	Active	Diabetic condition induced by removal of two-thirds of pancreas.	W01037
Entire Plant Brazil	Antihyperglycemic Activity	Hot H2O Ext	Oral Dog	10.0 ml	Active	vs. adrenalin-induced hyperglycemia.	W01037
Entire Plant Brazil	Antihyperglycemic Activity	Hot H2O Ext	Oral Human Adult	15 ml	Active		W01037
Entire Plant Brazil	Antihyperglycemic Activity	Hot H2O Ext	Oral Rabbit	5.0 ml	Active	vs. adrenalin-induced hyperglycemia.	W01037
Leaf Not Stated	Antihyperglycemic Activity	Infusion	Oral Human Adult	Not Stated	Inactive	Data from a review article.	J12034
Leaf Brazil	Antihyperglycemic Activity	Infusion	Oral Human Adult	3.0 g	Inactive	Tested in Type II diabetic patients over 56 days.	M29305
Leaf Brazil	Hypoglycemic Activity	Hot H2O Ext	Dog	Not Stated	Active		A12810
Leaf Brazil	Hypoglycemic Activity	n-BuOH Ext	Oral Rat	500 mg/kg 600 mg/kg	Active Active	In normal rats a hypoglycemic effect was seen after 1 and 2 hours of treatment.	AQ1001
Leaf Brazil	Hypoglycemic Activity	n-BuOH Ext	Oral Rat	800 mg/kg	Active	Effect seen within 1 hour in alloxan-induced diabetic rats and maintained for 3 hours.	AQ1001
Leaf Brazil	Hypoglycemic Activity	n-BuOH Ext	Oral Rat	Not stated	Inactive	Glucose-fed hyperglycemic normal rats.	AQ1001
Leaf Brazil	Hypoglycemic Activity	Hot H2O Ext	In ration Rat	150 g/L	Active	Reduction in serum and urinary glucose and urinary urea seen in streptozotocin-induced diabetic rats.	AQ1002
Leaf Chile	Hypoglycemic Activity	Hot H2O Ext	Oral Rat	Not stated	Inactive Active	Normal rats. Alloxan-induced diabetic rats - decrease in glycemia by 39%.	AQ1003
Part Not Specified Japan	Renal Protective Activity	Fraction: Kaempferitrin	Cell Culture	Not stated	Active	Ameliorated renal cellular injury and protected renal cells.	AQ1004
Leaf Brazil	Mutagenic Activity	Hot H2O Ext	Agar Plate	500.0 mg	Active	<i>Salmonella Typhimurium</i> TA100 and TA102.	K12432
Leaf Brazil	Mutagenic Activity	Hot H2O Ext	Agar Plate	500.0 mg	Inactive	<i>Salmonella Typhimurium</i> TA98.	K12432
Bark Brazil	Molluscicidal Activity	ETOH (95%) Ext	Not Stated	1000 ppm	Weak Activity	<i>Biomphalaria glabrata</i> <i>Biomphalaria straminea</i>	W02949
Bark Brazil	Molluscicidal Activity	H2O Ext	Not Stated	1000 ppm	Weak Activity	<i>Biomphalaria glabrata</i> <i>Biomphalaria straminea</i>	W02949

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