Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in Arundo donax

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2-O-(4-O-METHYL-ALPHA-D-GLUCOPYRANOSIDE-URONIC-A.)-D-XYLOSE	Plant	--	--		
0	3,3'-BIS(INDOLYL-METHYL)-DIMETHYL-AMMONIUM-HYDROXIDE	Flower	--	--		
0	5-METHOXY-N-METHYLTRYPTAMINE	Plant	--	--		
0	ALKALOIDS	Plant	5000	5000	-0.301997877296209	
2	ALPHA-AMYRIN-ACETATE	Leaf	--	--		
0	ASH	Stem	42000	42000	-1.010382482241424	
0	ASH	Plant	92000	150000	0.5236862182691849	
4	BETA-AMYRIN-ACETATE	Leaf	--	--		
47	BETA-SITOSTEROL	Plant	--	--		
1	BUFOTENIDINE	Rhizome	--	--		
10	BUFOTENINE	Leaf	--	--		
28	CALCIUM	Plant	4900	4900	-0.9294749627848772	
2	CAMPESTEROL	Leaf	--	--		
0	CARBOHYDRATES	Plant	699000	777000	0.673515641017394	
1	CELLULOSE	Stem	446000	503000	-1.2446974593944737	
0	DEHYDROBUFOTENINE	Rhizome	--	--		
0	DONAXARIDINE	Plant	--	--		
2	DONAXERINE	Rhizome	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DONAXINE	Rhizome	--	--		
0	ELEAGNINE	Flower	--	--		
0	FAT	Plant	11000	13000	-0.5655284720872618	
0	FAT	Stem	30000	30000	0.07874758051990709	
15	FIBER	Plant	285000	375000	1.125222901729616	
0	FLAVONE-C-GLYCOSIDES	Leaf	--	--		
2	FRIEDELIN	Leaf	--	--		
1	GALACTOSE	Stem	--	--		
7	GLUCOSE	Plant	--	--		
4	GLUCURONIC-ACID	Stem	--	--		
5	GRAMINE	Rhizome	--	--		
0	GRAMINE-METHOHYDROXIDE	Flower	--	--		
0	GRAMINE-N-OXIDE	Plant	700	700		
0	L-ARABINO-D-GLUCURONO-D-XYLAN	Stem	--	--		
0	L-ARABINOSE	Stem	--	--		
13	LIGNIN	Stem	157000	227000	0.7720721628827478	
21	LUPEOL	Leaf	--	--		
0	N,N-DIMETHYLTRYPTAMINE	Leaf	--	--		
0	N,N-DIMETHYLTRYPTAMINE-METHOHYDROXIDE	Flower	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PENTOSANS	Stem	251000	251000		
4	PHOSPHORUS	Plant	1100	1100	-1.195891847645657	
14	POTASSIUM	Plant	25500	25500	0.25822795685981065	
0	PROTEIN	Plant	69000	132000	-0.33980550796741577	
0	RESIN	Stem	--	--		
12	STIGMASTEROL	Plant	--	--		
0	TRIACONTANE	Plant	--	--		
3	TRIACONTANOL	Plant	--	--		
9	TRICIN	Plant	--	--		
3	XYLOSE	Stem	--	--		