

**Dr. Duke's Phytochemical and Ethnobotanical Database**

**Chemicals Found in Rumex acetosa**

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	ALPHA-LINOLENIC-ACID	Leaf	435	4350	-0.49270782017945347	
0	ANTHRACENE	Rhizome	--	--		
112	ASCORBIC-ACID	Leaf	630	12400	0.7066418946522066	
0	ASH	Leaf	11000	110000	-0.15595595158761258	
53	BETA-CAROTENE	Leaf	77	1100	3.652502012743971	
28	CALCIUM	Leaf	430	4300	-0.9659602658987367	
0	CARBOHYDRATES	Leaf	26000	560000	-0.4123404417205718	
6	CHRYSOPHANIC-ACID	Root	--	--		
0	CHRYSOPHANIN	Root	--	--		
10	CHRYSOPHANOL	Plant	--	--		
0	CHRYSOPHANOL-ANTHRONE	Plant	--	--		
12	COPPER	Leaf	3	30	0.06447035095193995	
58	EMODIN	Plant	--	--		
0	FAT	Fruit	47000	47000	-0.2822698703336837	
0	FAT	Leaf	3000	50000	-0.12876910250125184	
15	FIBER	Leaf	8000	80000	-1.00827278789484	
14	HYPERIN	Leaf	370	370	-1	
30	HYPEROSIDE	Leaf	500	500	-0.6365225197977925	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
12	IODINE	Leaf	0.07	2	1.7732638274576942	
6	IRON	Leaf	16	160	-0.5150201368754369	
65	MAGNESIUM	Leaf	460	4600	0.1831265670573345	
14	MANGANESE	Leaf	6	60	-0.3601383767008548	
39	NIACIN	Leaf	5	50	-0.5777798471977739	
9	OXALIC-ACID	Leaf	3000	3000	-0.3882177680628056	
0	OXYMETHYLANTHRAQUINONE	Rhizome	10500	10500		
0	PHOSOHORUS	Leaf	410	4400		
5	PHYSCION	Plant	--	--		
14	POTASSIUM	Leaf	3380	40000	0.4263839757494558	
0	POTASSIUM-BINOXYLATE	Leaf	--	--		
0	PROTEIN	Leaf	26000	260000	0.48039216095665205	
176	QUERCETIN	Fruit	--	--		
15	RIBOFLAVIN	Leaf	2.2	22	-0.07473683964760136	
87	RUTIN	Leaf	12800	12800	-0.20989232757188522	
1	SODIUM	Leaf	50	500	-0.5584814617442552	
0	TANNINS	Fruit	50000	50000	-0.34784412879081206	
0	TANNINS	Root	27800	226600	0.743859791870986	
6	TARTARIC-ACID	Leaf	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
31	THIAMIN	Leaf	0.8	9	0.144911649453059	
18	VITEXIN	Leaf	--	--		
0	WATER	Leaf	900000	900000	0.46079394661662293	
77	ZINC	Leaf	2	20	-0.4040277451169045	