

# P Zanthoxylum americanum

## Common Name(s)

Northern Prickly Ash

## How Used

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Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	(+)-LAURIFOLINE	Root	--	--		
		Bark				
0	(+)-LAURIFOLINE	Stem	--	--		
		Bark				
0	8-(3,3-DIMETHYLALLYL)ALLOXANTHOXYLETIN	Root	--	--		
		Bark				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	8-(3,3-DIMETHYLALLYL)ALLOXANTHOXYLETIN	Plant	--	--		
0	ALLOXANTHOXYLETIN	Stem	--	--		
		Bark				
0	ALLOXANTHOXYLETIN	Root	--	--		
		Bark				

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	ALLOXANTHOXYLETIN	Bark	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
130	BERBERINE	Plant	--	--		
0	BETA-FAGARINE	Bark	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
47	BETA-SITOSTEROL	Root Bark	--	--		
4	CANDICINE	Root Bark	--	--		
4	CANDICINE	Stem Bark	--	--		
4	CANDICINE	Bark	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
4	CANDICINE	Plant	--	--		
33	CHELERYTHRINE	Bark	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
33	CHELERYTHRINE	Root Bark	--	--		
0	CNIDILIN	Fruit	3	12.5		

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	GAMMA-FAGARINE	Leaf	--	--		
0	GAMMA-FAGARINE	Plant	--	--		
0	HERCLAVINE	Plant	--	--		
25	IMPERATORIN	Fruit	5	19	-0.10442286380063209	
8	ISOIMPERATORIN	Fruit	3	12.5	1.377945636523876	
0	LAURIFOLINE	Bark	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	LAURIFOLINE	Root	--	--		
0	LAURIFOLINE	Stem Bark	--	--		
0	LAURIFOLINE	Root Bark	--	--		
11	MAGNOFLORINE	Root Bark	--	--		
11	MAGNOFLORINE	Stem Bark	--	--		
11	MAGNOFLORINE	Bark	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
5	NITIDINE	Bark	--	--		

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
5	NITIDINE	Root	--	--		
		Bark				
5	NITIDINE	Plant	--	--		
0	O-METHYLTYRAMINE-N-METHYL-CINNAMIDE	Plant	--	--		
31	PSORALEN	Fruit	4	15	-0.4614599007226958	
0	RESIN	Plant	--	--		
0	RESINS	Bark	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
21	SKIMMIANINE	Leaf	--	--		
21	SKIMMIANINE	Bl	--	--		
21	SKIMMIANINE	Bark	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	TAMBETARINE	Bark	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
35	TANNIN	Plant	--	--		
0	TANNINS	Bark	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	TEMBETARINE	Plant	--	--		

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	TEMBETARINE	Root	--	--		
		Bark				
0	TEMBETARINE	Bark	--	--		
0	TEMBETARINE	Stem	--	--		
		Bark				
0	XANTHOXYLETIN	Bark	--	--		
43	XANTHOTOXIN	Fruit	7	25	-1	
1	XANTHOXYLETIN	Stem	--	--		
		Bark				
1	XANTHOXYLETIN	Bark	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
1	XANTHOXYLETIN	Plant	--	--		
1	XANTHOXYLETIN	Root	--	--		
		Bark				
4	XANTHOXYLIN	Plant	--	--		
1	XANTHYLETIN	Root	--	--		
		Bark				
1	XANTHYLETIN	Stem	--	--		
		Bark				
1	XANTHYLETIN	Bark	--	--		