

# **P** **Alliaria petiolata**

## Common Name(s)

Garlic Mustard

## How Used

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Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1-CYANO-2,3-EPITHIOPROPANE	Plant	--	--	
0	2-BUTYL-GLUCOSINOLATE	Plant	--	--	
0	ALLIAROSIDE	Leaf	--	--	
0	ALLYL-GLUCOSINOLATE	Plant	--	--	
16	ALLYL-ISOTHIOCYANATE	Plant	40	460	
7	ALLYL-SULFIDE	Plant	--	--	
0	ALPHA-LINOLEIC-ACID	Plant	--	--	
15	ALPHA-LINOLENIC-ACID	Plant	--	--	
0	ARACHIDIC-ACID	Seed	880	880	-0.5696705086452614
112	ASCORBIC-ACID	Plant	--	--	
0	BENZYL-GLUCOSINOLATE	Plant	--	--	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
20	BENZYL-ISOTHIOCYANATE	Essential Oil	2	25	
0	BETA-LINOLENIC-ACID	Plant	--	--	
0	BUT-3-ENYL-ISOTHIOCYANATE	Plant	--	--	
0	CARDEONLIDES	Seed	--	--	
0	CAROTENE	Plant	--	--	
25	DIALLYL-SULFIDE	Seed	500	960	
0	EICOSADIENIC-ACID	Seed	1760	1760	
0	EICOSENOIC-ACID	Seed	8800	8800	-0.6998273361328
0	EO	Seed	5000	9600	-0.42913786371274915
0	EO	Plant	50	520	-0.7006095112434785
0	EO	Root	330	930	-0.6109868952569286
2	ERUCIC-ACID	Seed	103400	170940	0.9882124485930113
0	FAT	Seed	220000	220000	-0.23907267817038622
0	FERULOYL-CHOLINE	Seed	--	--	
0	FERULOYL-ISOCHOLINE	Seed	--	--	
8	GLYCEROL	Plant	--	--	
0	GLYCOLIC-ACID-OXIDASE	Plant	--	--	
0	ISOTHIOCYANATES	Essential Oil	45	468	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
27	LINOLEIC-ACID	Seed	48400	48400	-0.5031376105635709
0	LINOLENIC-ACID	Seed	8800	8800	-0.4262359603802417
0	MYROSIN	Plant	--	--	
18	OLEIC-ACID	Plant	15400	15400	2.26955877637671
13	PALMITIC-ACID	Plant	8800	8800	-0.48829007625413884
0	PROP-2-ENYL-ISOTHIOCYANATE	Plant	--	--	
0	PROTEIN	Seed	280000	280000	0.41100790737499276
0	SAPONARIN	Plant	--	--	
9	SINAPIC-ACID	Seed	--	--	
0	SINAPIC-ACID-O-BETA-D-GLUCOPYRANOSIDE	Seed	--	--	
0	SINAPINE	Seed	--	--	
0	SINAPINE-O-BETA-D-GLUCOPYRANOSIDE	Seed	--	--	
7	SINIGRIN	Plant	--	--	
10	SQUALENE	Plant	--	--	
8	STEARIC-ACID	Seed	880	880	-0.5462970284872747
0	TETRACOSADIENOIC-ACID	Seed	17600	17600	