

# A Antiphototoxidative

\*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	# Chemicals	Total PPM
Adonis vernalis Spring Adonis	1	
Andira inermis Cabbage Bark	1	
Argemone mexicana Prickly Poppy	1	820.0
Berberis vulgaris Barberry	2	
Caulophyllum thalictroides Blue Cohosh	1	
Chelidonium majus Celandine	1	
Coptis spp Generic Goldthread	2	180000.0
Coptis japonica Huang-Lien; Huang-Lian; Japanese Goldthread; Huang-Lia	1	140000.0
Coptis chinensis Huang-Lian; Huang-Lien; Chinese Goldthread	1	180000.0
Corydalis spp Fumewort	1	
Eschscholzia californica California Poppy	1	
Hydrastis canadensis Goldenseal	3	180000.0
Macleaya cordata Plume Poppy	1	
Mahonia siamensis	1	
Mahonia repens Oregon Grape-Holly; Oregon Barberry; Oregon Grape; Creeping Barberry	2	
Mahonia philipinensis	2	
Mahonia nervosa Water Holly; Oregon Grape-Holly; Oregon Barberry; Oregon Grape	1	
Mahonia japonica Japanese Ashberry; Hiiragi-Nanten	2	
Mahonia gracilipes	2	
Mahonia fortunei	2	
Mahonia fargesii	2	
Mahonia bealei	1	
Mahonia aquifolium Blue Barberry; Mountain Grape; Oregon Grape; Holly Mahonia; Holly Barberry	2	
Menispermum canadense Moonseed	1	
Nandina domestica Southern Heaven Bamboo; Nanten (Jap.); Sacred Bamboo; Heavenly Bamboo	2	
Papaver somniferum Poppyseed Poppy; Opium Poppy	1	
Phellodendron amurense Huang Po; Amur Cork Tree; Po Mu; Huang Bai	2	20000.0
Podophyllum peltatum Mayapple	1	
Podophyllum hexandrum Himalayan Mayapple	1	
Sanguinaria canadensis Bloodroot	1	
Stephania glabra Indian Tape-Vine	1	
Xanthorhiza simplicissima Yellowroot	3	
Zanthoxylum clava-herculis Hercules'-Club; West Indian Yellowwood; Pepperbark; Southern Prickly Ash	1	
Zanthoxylum americanum Northern Prickly Ash	1	
Zanthoxylum alatum Indian Prickly Ash; Wartara Oil Tree	1	