Table 15. Concentrations of navonoids and arkafolds in the <i>Hydrasits cunduensis</i> lear ext		
Constituent	Concentration (mM) \pm SD	
Berberine	8.0 ± 0.1	
Hydrastine	2.61 ± 0.05	
Canadine	0.054 ± 0.008	
Sideroxylin	0.173 ± 0.036	
6-Desmethyl-sideroxylin/8-desmethyl-sideroxylin ^a	1.59 0.27	

Table 1S. Concentrations of flavonoids and alkaloids in the Hydrastis canadensis leaf extract

a. The isomeric flavonoids 6-desmethyl-sideroxylin and 8-desmethyl-sideroxylin coeluted and were quantified as a mixture.

Table 2S. Minimum inhibitory concentration of *H. canadensis* alkaloids against several strains of MRSA.

Alkaloid	Minimum inhibitory concentration (MIC, µg/mL)		
Aikalolu	TCH1516	AH1263	LAC
Berberine	150	300	>300
Canadine	>300	>300	>300
Hydrastine	>300	>300	>300

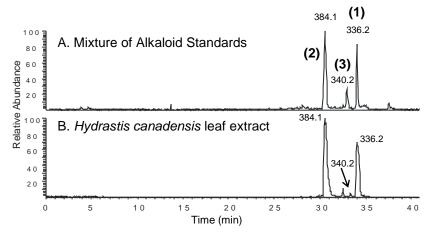


Figure 1S. Comparison of base peak LC-MS chromatograms (positive ion mode) for an equimolar mixture of the standard alkaloids berberine, hydrastine and canadine at 1 μ M (A) and a 100-fold dilution of a ethanolic extract from the aerial portions of goldenseal (*Hydrastis canadensis*) (B). Peaks are labeled with the m/z value of the ion detected, which was consistent with M⁺ for berberine (1) (monoisotopic mass of 336.12 g/mole), and MH⁺ for hydrastine (2) and canadine (3) (monoisotopic masses of 384.14 and 340.15 g/mole, respectively). The bold numbers in (A) correspond to the structures in Figure 3 of the main manuscript.