

| Drug/plant source Family/pharmacopoeia | Total alkaloids Major alkaloids (for formulae see 1.5) |
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| Fig. 17 Spartii flos Spartii juncei flos Broomflowers Spartium junceum L. Fabaceae (Leguminosae) | 0.3%–0.4% quinolizidine alkaloids Cytisine (40%) N-methylcytisine (45%) anagyrine ► Flavonoids: isoquercitrine, luteolin-4'-O-glucoside |
| Fig. 18 Genistae herba Dyer's weed, Dyer's broom Genista tinctoria L. Fabaceae | 0.3%–0.8% quinolizidine alkaloids N-methylcytisine, anagyrine, isosparteine, lupanine ► 0.5%–3% flavonoids: luteolin glycosides Isoflavones: genistein, genistin |
| <p><i>Note:</i> The trivial name genistein is used for the isoflavone and the alkaloid (α-isosparteine).</p> | |
| Fig. 19 Chelidonii herba Tetterwort, greater celandine Chelidonium majus L. Papaveraceae DAB 10 ► Chelidonii radix/rhizoma | 0.35%–1.30% total alkaloids (>20) Benzophenanthridine type: chelidonine (>0.07%), chelerythrine (>0.04%) and sanguinarine (>0.01%) Protoberberine type: coptisin (>1.07%), berberine (0.11%). Protopine 2.4%–3.4% total alkaloids: chelidonin (1.2%), and chelerythrine (1%) |
| Fig. 20 Colchici semen Meadow saffron seeds Colchicum autumnale L. Liliaceae DAC 86, MD | 0.5%–1% total alkaloids; >20 alkaloids Colchicine (65%), colchicoside (30%), demecolcine, lumialkaloids (artefacts) |
| Fig. 21 Berberidis radices cortex Barberry root bark Berberis vulgaris L. Berberidaceae MD | >13% total alkaloids Berberine, protoberberine (6%), jateorrhizine (jatrorrhizine), palmatine <5% bisbenzylisoquinolines e.g. oxyacanthine. Magniflorine |
| Fig. 21 Hydrastis rhizoma Golden seal root Hydrastis canadensis L. Ranunculaceae MD | 2.5%–6% total alkaloids Berberine (2%–4.5%), tetrahydroberberine (0.5%–1%) (canadine), hydrastine (3.2%–4%; phthalide-isoquinoline alkaloid) |
| Fig. 21 Colombo radix Calumba root Jateorhiza palmata (LAM) MIERS Menispermaceae MD Japan (J. columba MIERS) | 2%–3% total alkaloids Palmatine, jatrorrhizine, bisjatrorrhizine, columbamine (protoberberine type) ► Furanoditerpenoid bitter principles (palmarin, columbin) |