

Drug/plant source Family/pharmacopoeia	Total alkaloids Major alkaloids (for formulae see 1.5)	Fig. 29–30
Purines		
Cacao semen Cacao beans Theobroma cacao L. Sterculiaceae MD	0.2%–0.5% caffeine 1%–2% theobromine	Fig. 29,30
Coffeae semen Coffee beans Coffea arabica L., other species Rubiaceae MD, DAB 10 (caffeine)	0.3%–2.5% caffeine theophylline (traces) ▶ Chlorogenic acid	Fig. 29,30
Mate folium Mate, Jesuit's tea Ilex paraguariensis St.HIL. Aquifoliaceae DAC 86, MD	0.3%–1.7% caffeine 0.03%–0.05% theophylline 0.2%–0.45% theobromine ▶ 10% chlorogenic-, iso- and neochlorogenic acid, isoquercitrin ▶ Triterpene saponines: ursolic and oleanolic acid derivatives	Fig. 29,30
Theae folium Tea Camellia sinensis (L.) KUNTZE Theaceae MD	2.5%–4.5% caffeine 0.02%–0.05% theophylline 0.05% theobromine ▶ Polyphenols; tannins: catechin type (10%–20%), dimeric theaflavins, oligomeric procyanidins; flavonoid glycosides	Fig. 29,30

Note: Colae semen contains 0.6%–3% caffeine (Cola nidita, C. acuminata SCHOTT et ENDL, Sterculiaceae)