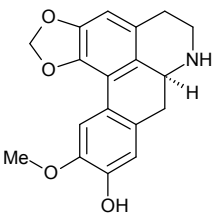
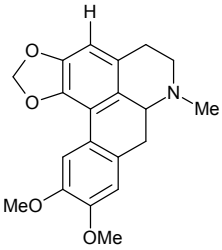
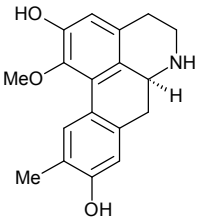
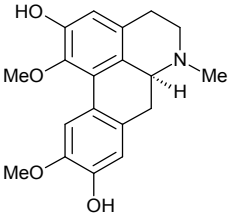
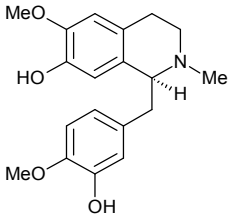
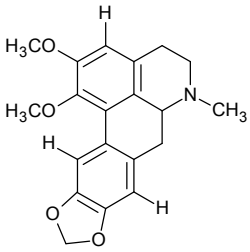
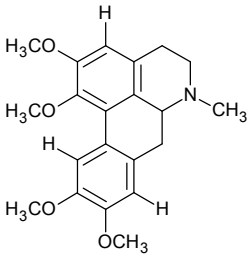
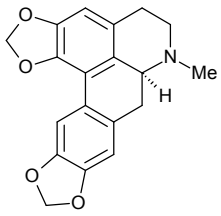
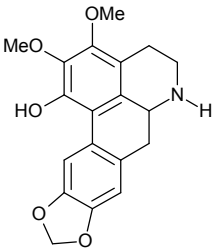
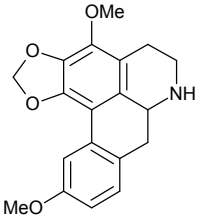
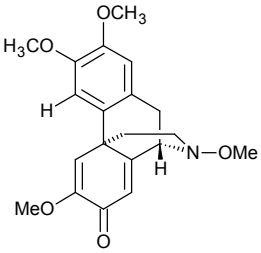
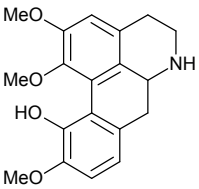
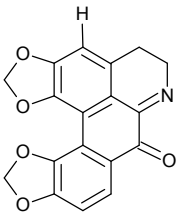
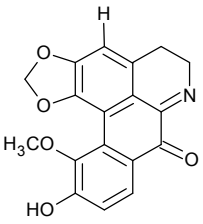
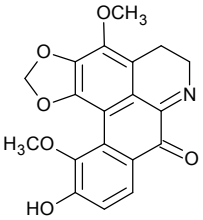
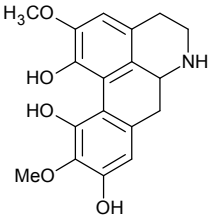
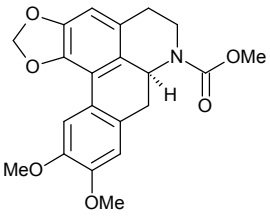
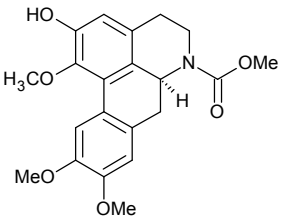
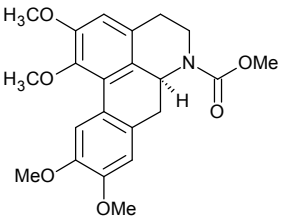
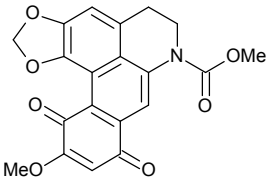
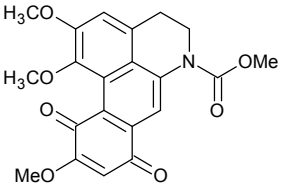
Supplementary information: Pharmacological activities of some Lauraceae alkaloids.

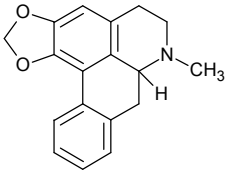
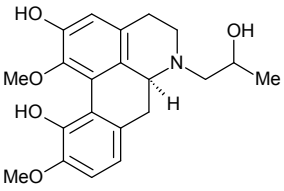
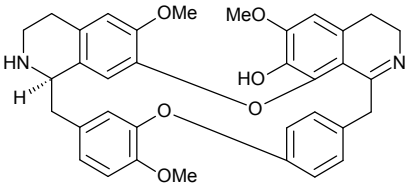
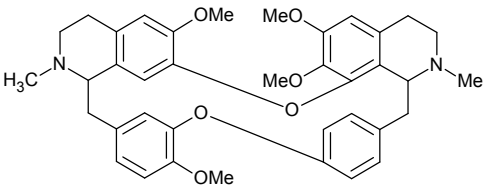
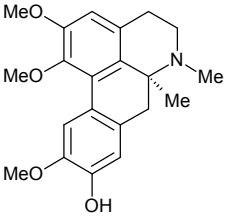
Structure	Activity and references
actinodaphnine (8) 	High cytotoxicity in Mel-5 and HL-60 cell lines.[16] Induced apoptosis in human hepatoma cells Mahvalu.[18]
dicentrine (9) 	Cytotoxicity in HCE-6, Molt-4, CESS, HL60, K562 and MS-G2 cell lines.[25] Activity against *Trypanossoma brucei* in vitro assays.[62] Antinociceptive activity in mice.[30] Vasorelaxation activity in mice.[17]
laurolitsine (11) 	Cytotoxicity in Hep-2 cell line.[46] Inhibitory activity against type I HIV integrase.[44] Antiplasmodial activity against *Plasmodium falciparum* (clone 3D7).[63]
boldine (12) 	Antiinflamatory activity.[64,65] Cytotoxicity activity in HEp-2 tumor cells.[66]

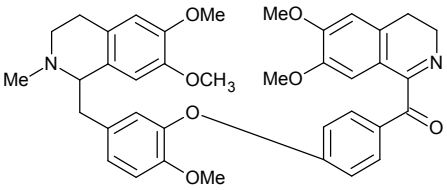
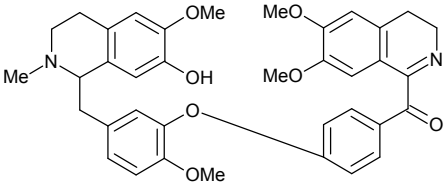
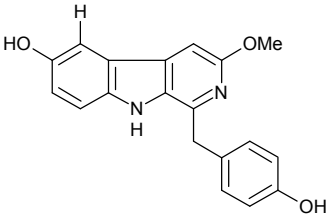
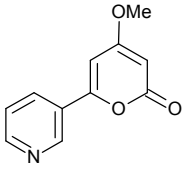
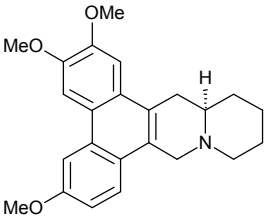
reticuline (15)  	Central nervous system depressant effects. [67] Blood pressure lowering effect in rats. [68] Vasorelaxation activity.[58]
(+)-nantenine **(23)**  	Reversible effect in muscle contraction and Ca^{2+} transients.[72]
glaucine (24)  	Anti-inflammatory activity. [64]
neolitsine (26)  	Cytotoxicity in HeLa and 3T3cell lines.[16]

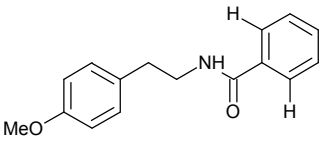
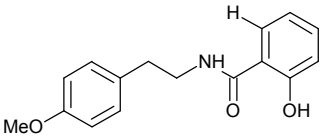
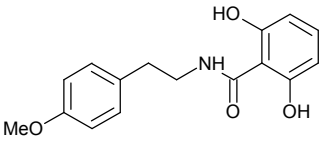
(S)-3-methoxynordomesticine **(30)** 	Antifungal and antimicrobial activity. [71]
cassythine (146) 	cytotoxicity in Mel-5 and HL-60 cell lines.[16] Activity against *Trypanossoma brucei*. [62]
sebiferine **(161)** 	Antiplasmodial activity against *Plasmodium falciparum* (clone 3D7).[63]
norisocoridine **(181)** 	Antinociceptive and antioxidant activity.[65]
hernandonine **(187)** 	Inhibitory activity against type I HIV integrase.[44]

7-oxohernangerine **(188)** 	Inhibitory activity against type I HIV integrase.[44]
lindechunine A **(189)** 	Inhibitory activity against type I HIV integrase.[44]
norisoboldine **(197)** 	Antiinflamatory activity. [43,109]
(+)-*N*-(methoxycarbonyl)-*N*-nordicentrin **(204)** 	Antimicrobial and antifungal activity.[111]

(+)-*N*-(methoxycarbonyl)-*N*-norpredicentrine **(205)** 	Antimicrobial and antifungal activity.[111]
(+)-*N*-(methoxycarbonyl)-*N*-norglaucine **(206)** 	Antimicrobial and antifungal activity.[111]
(+)-*N*-(methoxycarbonyl)-*N*-norbulbodione **(207)** 	Cytotoxicity against six tested tumour cell lines.[111]
(+)-*N*-(methoxycarbonyl)-*N*-norisocorydione **(208)** 	Cytotoxicity against six tested tumour cell lines.[111]

roemerine **(221)** 	Antiplasmodial activity against *Plasmodium falciparum* (clone 3D7)[63]
(+)-N-(2-hydroxypropyl)lindecarpine **(253)** 	cytotoxicity against P-388 leukaemia cells.[40]
3',4'-dihydronorstephasubine **(264)** 	Vasorelaxation activity.[146]
girolidine **(266)** 	Vasorelaxation activity.[146]
α'-oxoperakensimines A **(271)** 	Vasorelaxation activity.[150]

α'-oxoperakensimines B **(272)** 	Vasorelaxation activity.[150]
α'-oxoperakensimines C **(273)** 	Vasorelaxation activity.[150]
daibucarboline A **(284)** 	Antiinflamatory activity.[158]
anibine (287) 	Analeptic activity.[162]
criptopleurine **(289)** 	Cyotoxicity in human nasopharyngeal epidermoid carcinoma (KB) cells.[163]

riparin I (299)  	Antimicrobial activity.[170] Antinociceptive activity.[171] Relaxation activity of contractions in guinea pig ileum and rat uterus.[176]
riparin II (300)  	Antimicrobial activity.[170] Anxiolytic activity.[172-175] Relaxation activity of contractions in guinea pig ileum and rat uterus.[176]
riparin III (301)  	Antimicrobial activity.[170] Anxiolytic activity.[172-175] Antidepressant activity.[172-175] Relaxation activity of contractions in guinea pig ileum and rat uterus.[176]