



ELSEVIER

Journal of Chromatography B, 733 (1999) 283–292

JOURNAL OF
CHROMATOGRAPHY B

www.elsevier.com/locate/chromb

Compound Index Vol. 733

- Abrin 199, 215
6-AC, see 6-Acetylcodeine
ACE inhibitors 5, 6, 14, 15, 20, 21
ACE inhibitors, metabolites 6
Acebutolol 223
Acenocoumarol 15, 243, 244
Acetaminophen 41, 42
Acetate 191
Acetophenone 71
6-Acetylcodeine 104, 105
Acetylcodeine 130, 167
Acetyldigoxin 87, 208
Acetyldigoxin 208
l- α -Acetylmethadol 163, 172
6-Acetylmorphine 80, 81, 104, 105, 129, 163, 165–167, 169, 171, 174, 234, 250, 254, 262
d₃-6-Acetylmorphine 254
N-Acetylnorcocaine 132
Acetylsalicylic acid 18
Acetyltebaol 129
Acidic anticoagulants 14
Acidic drugs 3–25, 37, 38, 40, 41, 50, 56, 68, 69
Acidic drugs, metabolites 3–25
Acidic metabolites 16
Aconine 199
Aconitine 187, 192, 196–222, 226
Aconitum alkaloids 88, 200, 201
Adigoside 211
Adrenocorticotropin 114
Adynerigenin 211
AEME, see Anhydroecgonine methyl ester
7-AF, see 7-Aminoflunitrazepam
Aflatoxins 40
 β -Agonists 35, 85, 240–242
Ajmalicine 214
Ajmaline 214
Alcohol 249, 251
Aldicarb 234
Alimemazine 240
Alkaloids 41, 42, 181–229
Alkaloids from *Aconitum japonicum* 87
Alkaloids group A 186, 196, 198
Alkaloids group B 187, 198
Alkan-2-ones 68, 69
n-Alkanes 68
Alkyl-aryl-ketones 68
n-Alkylbenzenes 68
Allobarbitone 33
Allococaine 133
Allopseudococaine 133
Allo-yohimbine 213
Aloe-emodin 60
Alone 216
Alpha-chloralose 243, 244
Alprazolam 32, 74, 238
Alstonine 214
6-AM, see 6-Acetylmorphine
d₃-6AM, see d₃-6-Acetylmorphine
 α -Amanitin 40, 88
 β -Amanitin 40, 88
Amantidine 42
7-Aminoflunitrazepam 60, 87, 103, 172, 238
2-Amino-N-{4-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]butyl}-benzamide 87
Amioclarone 73
Amisulpiride 76
Amitriptyline 30, 60, 76, 79, 98, 163, 172, 177, 239
Amitriptyline, metabolites 239
Amlodipine 87
Ammonia 274–276
Amobarbital 241, 242
Amobarbitone 32
Amphetamine analogs 169
Amphetamines 30–33, 40–42, 49, 52, 80, 83, 99, 162, 163, 166, 169, 175, 249
Amphoteric drugs 55, 57
Amygdalin 196, 198, 213, 220, 221, 226
Anabasine 186, 198, 211, 222, 226
Anabolic steroids 40, 232, 233, 240–242
Anagyrine 215
Analgesics 19, 36, 38–40, 42, 109
Anatabine 211
Androcymbine 204
Anesthetics 31, 33, 41, 104

- Anhydroecgonine methyl ester 253–256
Anhydroecgonine methyl ester · oxalate 252
 β -Antagonists 35
Antibiotics 41
Anticoagulants 6, 7, 9–12, 14, 15, 41
Anticonvulsants 15, 21, 36–39, 41–43, 235
Antidepressants 31, 33, 38, 41, 42, 98, 172, 235
Antidiabetic (drugs) 36, 38, 39, 41, 42
Antidiabetics 17
Antihistamines 31, 41–43
Antihypertensives 40
Antipsychotic(s) 38, 102, 235
Antipsychotic agents 87
Antipsychotic drugs 172
Anti-arrhythmics 42
Anti-infection drugs 239, 240
Anti-inflammatory drugs 36, 37, 39, 40, 42
Anti-migraine drugs 42
AP, see Amphetamine
Apoatropine 201
Aposcopolamine 201
Aprobarbitone 73
l-Arabinose 190
l-Arabinose acetate 190
Arecoline 186, 198, 222, 226
Aromatic compounds 114
Aromatics 67
Arsenic 216, 232
Artists' paints 269
Aryl ketones 69
Arylacetic acid derivatives 18
Arylpropionic acid derivatives 18
Aspirin 71, 216
AT-II Antagonists 15, 20
AT-II Blockers 5, 6, 14, 19, 21
AT-II Blockers, metabolites 6
Atenolol 237
Atisine 199
Atractyloside 181–229
Atropine 42, 186, 198, 201, 207, 215, 222, 223, 225
Atropine fragments 189
Autumnaline 204
B-Dipropionate 111
B-MonoP, see β -Monopropionate
Baccharinoids 203
Barbital 70
Barbitone 71
Barbiturates 5, 7–12, 14–16, 19–22, 31, 33–39, 41–43, 54, 56, 58, 67, 68, 74, 163, 172
Barbiturates, metabolites 8
Barium 274–276
Basic drugs 21, 33–35, 37–41, 49, 50, 54, 57, 68, 69, 233, 248
BDB, see 3,4-(Methylenedioxyphenyl)-2-butanamine
BE, see Benzoylecgonine
BE-d₃, see Benzoylecgonine-d₃
Beclomethasone 109, 111
Belladonna 216
Benzoate(s) 9, 191
Benzoclamine 60
Benzodiazepines 29, 31, 33–43, 58, 68, 80, 86, 87, 97, 98, 102, 162, 163, 172, 232, 235
Benzoic acid 132
Benzophenone(s) 73, 235
Benzothiazepines 16
Benzoylaconine 201
Benzoylecgonine 30, 32, 33, 35–37, 40–43, 81, 82, 103, 132, 165, 168, 169, 232, 249, 250, 252–262
Benzoylecgonine-d₃ 168
Benzoylhypaconine 201
Benzoylmesaconine 201
Benzoylnorecgonine 252, 254–259
N-Benzoylnorecgonine methylester 132
Benzphetamine 174
Beta-blockers 31, 43
14-Beta-hydroxygelsedine 210
12-Beta-hydroxy-5- α -pregn-16-diene-3,20-dione 210
12-Beta-hydroxy-5- α -pregn-16-ene-3,20-dione 210
7-Beta-hydroxy-6- β -propenyloxy-3- α -tropoloxytropene 207
Betamethasone 111, 112
Betaxolol 76, 237
Bikhaconitine 199
2,3'-Bipyridyl 211
Black inks 269–271
 β -Blocking agents 237
Blue inks 269, 270
Blue-black inks 269, 270
BNE, see Benzoylnorecgonine
Brallobarital 72
Bromazepam 97, 214
Brucine 216
Budesonide 111
Buprenorphine 41, 81, 82, 102, 163, 232, 234, 236, 262
Buprenorphine-d₄ 84, 102
Buspirone 43
Butan-2-one 71
Butorphanol 104
Butyrophenones 71, 80, 86, 87
BZE, see Benzoylecgonine
BZP, see Benzphetamine
Caffeine 42, 71–75, 77, 176, 216, 251
Calcium 274
Calcium antagonists 16
Calcium channel blockers 10, 16, 17
Calcium oxalate 207
Camphor 208, 216
Cannabidiol 82, 85, 120–124, 170
Cannabinoids 33, 41, 43, 82, 85, 119–126, 163, 167, 172
Cannabidol 120
Cannabinol 82, 85, 120, 121, 123, 124, 170
Cannabis 240–242
Cannogenol-3-*O*- α -L-rhamnoside 206
Cannogenol-3-*O*- β -D-allomethylsides 206
Captopril 34, 42
Carbamate pesticides 80

- Carbamates 88, 234
Carbamazepine 30, 31, 42, 162, 163, 166, 172, 176, 223, 235, 237, 243, 244
Carboxyatractyloside 220
Carboxyatractyligenin 201
Carboxyatractyloside 201
Carboxyhaemoglobin 223
Carboxyl containing drugs 5, 18, 56
Carboxylate-containing drugs 50
Carboxyparquine 201
Carcinogens 177
Cardenolid glycosides 206
Cardenolides 207
Cardiac glycosides 40, 87, 185, 206
Cardiovascular drugs 5, 21, 41–43, 237
Cascara 216
Cathartic pills 216
Cathinone 42
CBD, see Cannabidiol
CBN, see Cannabinol
CBZ, see Carbamazepine
CE, see Cocaemylene
Cephalomanine 217
Cephalosporins 97
Cevadine 187, 192, 196–198, 219, 222, 226
Cevine 219
C6G, see Codeine-6-glucuronide
Channel blockers 10
Channel inhibitors 42
Chloral hydrate metabolites 43
Chloralose 242, 245
Chlordiazepoxide, metabolites 60, 97
Chloroform 240–242
Chloroquine 42, 73, 163, 240–242
Chlorpheniramine 30, 59, 60, 79, 176
Chlorphenoxamine 60
Chlorpromazine 98
Chlorpromazine 233, 235, 240
Chlorpropamide 31, 42
Chlorpyrifos 241, 242
Cholesterol 51, 60, 61
Chorionic gonadotropin 114
Cicutol 203
Cicutol, isomers 203
Cicutoxine 203
Cinnamic acids 132
Cinnamoylcocaines 131–133
Ciprofloxacin 240, 241
Clenbuterol 85, 162, 163, 170, 232, 233
Clomipramine metabolites 172, 177, 239
Clonazepam 223
Clopenthixol 97, 214
Clozapine 42, 235, 240
COC, see Cocaine
Cocaethylene 82, 168, 169, 176, 252–256, 262
Cocaine 30–33, 37, 40–42, 81, 82, 99, 127–136, 162, 163, 165–169, 172, 174, 175, 232, 240–242, 247–264
Cocaine-d3 168
Cocaine hydrochloride 131, 251, 252, 254, 257, 258
Cocaine, metabolites 37, 40, 43, 81, 99, 249
Cocaine-related alkaloids 132
COD, see Codeine
Codeine 30, 32, 33, 37, 40, 42, 79, 81, 83, 99, 104, 105, 129, 130, 163, 167, 169, 234, 247–264
Codeine, metabolites 37, 167
Codeine hydrochloride 252
Codeine sulfate 251, 259, 260
Codeine-6-glucuronide 104, 105
Codeine glucuronides 37
Colchicilline 204
Colchicine 37, 88, 187, 192, 196, 198, 204, 205, 221–224, 226
Colchicoside 204
Colchifoline 204
Colchicum alkaloids, demethylated 204
Colubrines 216
Conhydrine 205
Conhydrinone 205
Coniceine 41, 42
Coniine 41, 205
Conjugated metabolites 115
Convallatoxin 206
Convallatoxol 206
Convalloside 206
Convulsants 36
Copy toners 269
Coriamyrtin 206
Cornigerine 204
Corticosteroids 40, 80, 85, 99, 109, 111, 112, 240–242
Corticosteroids, 18-hydroxylated 109
Corticosteroids, metabolites 112
Corticosteroids synthetic 112
Corticosterone 111
Cortisol 111, 112
Cortisone 111, 112
Corynanthine 213, 214
Coryneine 199
Cotinine 163, 170, 171
Cotinine-*N*-glucuronide 99
Coumarin anticoagulants 5, 6, 7, 19–21
Coumarin anticoagulants, metabolites 6
Coumarins 14
Creatinine 19
p-Cresol 71
Crocata 203
Crotaline 186, 198, 222, 226
Curcin 210
Cuscohygrine 132, 134
Cyamemazine 240, 243, 244
Cyamemazine sulfoxide 243, 244
Cyanhydric acid 214
Cyanide 223
Cyanogenic compounds 181–229
Cyanogenic glycosides 196, 198, 213
Cyclophosphamide 241, 242
Cyclopyrrolones 31

- Cytisine 215
Cytokines 113
DC hoflazepate 74
DDT 240–242
10-Deacetylbaccatin III 217
Deacetyltaxol 217
N-Debenzoyl-*N*-ter-butoxycarbonyl-10-desacetyltaxol 217
N-DF, see *N*-Desmethylflunitrazepam
Degradation products 130
Demethyl-3-colchicine 204
O-Demethyl naproxen 19
O-Demethyl naproxen glucuronides 20
N-Demethyl-LSD 84, 108, 109, 147, 150, 154–156, 158
Demoxepam 73, 76, 97, 98
Deoxycorticosterone 111
Deprenyl 174
Deserpidine 214
Desetyl-lidocaine 241, 242
Desglucocheirotoxol 206
Designer amphetamines 137–143
Desipramine 239
N-Desmethoxyrankinidine 210
Desmethylchlordiazepoxide 97
Desmethyldiazepam 97
N-Desmethylflunitrazepam 87, 103
N-Desmethyl-LSD 107, 108
Dexamethasone 85, 111, 147
Dexamethasoneestriol-3-sulphate 111
Dextrometorphan 236
Dextromoramide 236, 240–242
Dextropropoxyphene 236
Diazepam 30–33, 40, 72, 75–77, 172, 232, 238
Diazinon 241, 242
Diclofenac 13, 18, 241–244
Diethyl ether 132
Diethylstilbestrol 233
Diginatin 208
Digitoxigenin 211
Digitoxin 87, 208
Digoxin 87, 211
Digoxin-like factors 208
Dihydrocodeine 81, 176, 236
Dihydrometanicotine 211
Dihydromorphine 81
Dihydropyridine calcium channel blockers, metabolites 5, 10, 19–21
Dihydropyridines 16, 17
3,14-Dihydroxylated genins 208
Dihydroxytaxols 217
Diltiazem 16, 42
Dimethoxy-ajmalicine 214
3,5-Dimethoxyphenol 217, 219
Dimethyl ketone 132
Dimethylamino- α -hydroxy benzene-propanoic acid 191
3-Dimethylamino-3-phenylpropionic acid 217
Diogenin 209
Diosgenine 215
Dioxymethamphetamine 138
Diphenhydramine 73
Diphenylbutylpiperidines 86
Diuretics 5, 7, 9–12, 14, 17, 19–21, 37–39, 41, 43, 68, 177
Diuron 241, 242
Dobutamine 60
Doping agents 85, 177
Dothiepin 73
Dothiepin sulfoxide 73
Doxazosin 87
Doxepin 33, 60, 79
Doxepine, metabolites 239
Doxepine 172, 177, 239
Doxylamine 30
DPN, see Deprenyl
Driers 266, 267
Drug glucuronides 79
Drug screening 27–45, 47–63, 65–91, 231–246
Drugs in blood 68
Drugs in serum 68
Drugs of abuse 29, 36, 41, 43, 67, 81, 120, 127–136, 161–180
Drugs of abuse, external contamination 233
Dyes 267
E, see Ecgonine
Ecgonine 82, 132
Ecgonine ethyl ester 81, 252–256
Ecgonine methyl ester 81, 82, 132, 165, 169, 250, 253–259, 261
*d*₃-Ecgonine methyl ester 254
Ecgonine methyl ester hydrochloride 252
Echinatine 209
Ecstasy 41, 42, 137–143, 169
EDDP 82
EEE, see Ecgonine ethyl ester
EME, see Ecgonine methyl ester
Emetine 186, 188, 198, 222, 226
Endosulfan 241, 242
Environmental poisons 87
Environmental tobacco smoke 172
Environmental toxicants 177
Ephedrine 30, 73, 80, 163
Epiallo-yohimbine 213
Epitestosterone 101, 102
Epitestosterone glucuronide 101
Epitestosterone, metabolites 102
Epitestosterone-sulphate 101
Erythromycin 37
Erythropoietin 114
Eserine 186, 188, 198, 222, 226
Esters of testosterone 102
Estrone-3-sulphate 111
N-Ethylbenzylamine 169
Ethylmorphine 163, 236
Ethylenediaminetetraacetic acid 101
N-Ethyl-nordiazepam 79
Etodolac 241–244
ETS, see Environmental tobacco smoke
Extromoramide 163

- F, see Flunitrazepam
Falcarindiol 203
Falcarindiol derivatives 41
17 β -Fatty acid 102
Fatty acids 51
Felbinac 13
Felopidine 42
Felt-tipped pen inks 270
Fenbufen 13
Fenethylamine 174
Fenfluramine 239
Fenoterol 85
Fenoxicarb 241, 242
Fentanyl (derivatives) 41, 43, 163, 170, 236, 260
Feriprenin 209
Ferulenol 209
Fiber tipped pen inks 271
Flavonoids 206
Flecainide 42
Fluconazole 76
Fludrocortisone 111
Flumazenil 104
Flumethasone 85, 111
Flunarizan 79
Flunisonide 111
Flunitrazepam (metabolites) 87, 103, 172, 235, 238
Fluoroquinoline 240, 241
5-Fluorouracil 163, 240, 241, 242
Fluoxetine 239
Flurbiprofen 13
FNT, see Fenethylamine
Folpel 241, 242
Food additives 177
N-Formylnorcocaine 132
Fountain pen inks 269
Frusemide 30, 31
Furosemide 55
Furosine 163
Gamma-coniceine 205
Gelsedine 210
Gelsemine 210
Gelsemium 216
Gelsenicine 210
Gelsevirine 210
Germine 219
Glibenclamide 42, 103
Gliclazide 30
Glipizide 18
Globins 114
Glucoquinine 213
Glucuronide conjugates 29
Glucuronides 85
Glutethimide 42
Glyburide 18
Glycoproteins 113, 114
Glyosides, series A–E
Glyco-stropeptide 211
Green inks 269
Growth promoting drugs 48
Hallucinogens 41, 42, 185
Halogenated hydrocarbon 40
Haloperidol 30, 32, 163, 172, 235, 240, 243, 244
Hashish 82
hCG, see Human chorionic gonadotropin
Hecogenin 209
Heptadeca-4,6-diene-2,8,10-triene-1,14-diol 203
Heptadeca-4,6-diene-8,10,12-triene-1,14-diol 203
Heptan-2-one 71
Herbicides 38, 88, 177
Heroin 29, 81, 104, 105, 127–136, 167, 240, 241, 242, 249, 250, 251, 262
Heterosides 208
Heteroyohimbane compounds 213
Hexan-2-one 71
hGH, see Human growth factor
Higenamine 199
HIP, see Hippuric acid
Hippuric acid 19
HIV-protease inhibitor ziduvudine 42
HL, see Haloperidol
m-HOCOC, see *m*-Hydroxycocaine
p-HOCOC, see *p*-Hydroxycocaine
Homatropine 202
Hormones 113
Human chorionic gonadotropin 114
Human growth factor 114
Human hemoglobins 114
Humantenidine 210
Humantenirine 210
Hunting poisons 185
Hydrocarbons 80, 114
Hydrocortisone 111, 112
Hydrophobic drugs 233
Hydroxy glyburide 18
m-Hydroxybenzoyllecgonine 252, 254, 256–259
p-Hydroxybenzoyllecgonine 252, 254–256, 258, 259
Hydroxybenzoyllecgonine 255, 257
Hydroxychloroquin 42
m-Hydroxycocaine 252, 254, 256–259
p-Hydroxycocaine 252, 254, 256–259
Hydroxycocaine 131, 132, 134, 255
4-Hydroxycoumarin anticoagulants 15, 43
4-Hydroxycoumarins 15
Hydroxyferulenol 209
3-Hydroxyflunitrazepam 103
11-Hydroxyhuman-humantenine 210
11-Hydroxyrankinidine 210
Hydroxyzine 240
4-Hydroxy-coumarin anti-coagulants 43
Hydroxy-hyoscyamine 201
Hydroxy-LSD 157
13-Hydroxy-LSD glucuronide 147, 156
14-Hydroxy-LSD glucuronide 147, 156
11-Hydroxy-9- Δ -9-tetrahydrocannabinol 120–125, 170
Hygrine 132, 134, 201
Hygroline 201

- d,l*-Hyoscyamine 201
l-Hyoscyamine 201, 207
Hyoscyamine 202
Hypaconitine 199–201
Hypoglycaemic agents 103
Hypoglycemic drugs 17
Hypoglycemic sulfonyleureas 5, 14, 19–22
Ibogaine 81, 82
Ibuprofen 11, 13, 18
Ibuprofen, metabolites 11
Icajine 216
IGF-1 114
Illicit drugs, impurities 127–136, 232
Imidazolinone herbicides 87
Imidazopyridines 31
Imipramine (metabolites) 172, 177, 239
Immunosuppressants 40
Indanedione anticoagulants 6
Indomethacin 13, 18
Inflammatory 36
Ink dyes, categorization 266
Inks 265–272
Insecticides 177
Intermedine 209
Ipecac 216
Iron 216
Isoferprenin 209
Isolupanine 215
Iso-LSD 107, 108, 110, 146, 147, 149, 151, 154, 156
Isomer LSD, see *N*-Desmethyl-LSD
Isonor-LSD 107, 108
Isopilocarpine 213
Isoquinoleic alkaloids 199
Isoreserpiline 214
Isorhamnetin 206
Isorubrijervine 219
Isostrychnine 216
Jaboridine 213
Jaborine 213
Jervine 219
Jesaconitine 199–201
Kalium 274
Kaurene derivatives 201
Ketamine 41, 42, 166, 240–242
Ketoprofen 13, 18, 19, 77, 241, 242
Ketoprofen glucuronides 20
KG, see Ketoprofen
Koumidine 210
Koumine 210
Kumantenidine 210
Kumantenine 210
Kumantenmine 210
Lamotrigine 42
LAAM, see 1- α -Acetylmethadol
LAMPA, see Lysergic acid methylpropylamide
Lanatoside A 208
Lanatoside C 87, 208
Lanatoside D 208
Lappaconitine 199
Levomepromazine 98
Licit drugs 244
Licit morphinomimetics 234
Lidocaine 56, 79, 172, 186–189, 196, 197, 220, 224, 240–244
Lignocaine 30, 42
Lindane 240, 241, 242
Lobeline 186, 189, 198, 211, 222, 226
Locundioside 206
Lorazepam 32, 73, 104, 238
Lormetazepam 238
Loxoprofen 13
LSD, see Lysergic acid diethylamide
LSD- d_{10} 150, 157
LSD- d_3 84, 150, 154–156
LSD, metabolites 107–109, 145–159
Lupanine 215
Lycaconitine 199
Lycopsamine 209
Lysergic acid diethylamide 33, 40, 42, 43, 81–84, 107–110, 145–159, 163, 170, 207
Lysergic methylpropylamide 86, 150, 151, 153, 157, 170
M 105–107
MA, see Methamphetamine
Magnoflorine 199
3-MAM, see 3-Monoacetylmorphine
6-MAM, see 6-Monoacetylmorphine
R-Mandelonitrile 214
Mandelonitrile- β - D -glucoside 214
Maprotiline (metabolites) 172, 177, 239
Marijuana 251
Marine toxins 114
MBDB, see 3,4-(Methylenedioxyphenyl)-2-butanamine
MBDB- d_5 140
MDA, see Methylenedioxyamphetamine
MDA- d_5 140
MDE, see Methylenedioxyethylamphetamine
MDEA, see Methylenedioxyethylamphetamine
MDEA- d_5 139, 140
MDMA, see Methylenedioxymethamphetamine
MDMA- d_5 140
Meconine 129
Mefenamic acid 13, 73
Melanins 233
Meperidine 42
Mepivacaine 32, 33
Meprobamate 42, 163, 223, 234, 241–244
Mesaconitine 199–201
Metabolic profiles 56
Metanicotine 211
Metaprotorenol 85
Methadone 30, 32, 33, 40, 42, 81, 82, 86, 162, 163, 234, 240–242, 249, 250, 262
Methadone derivatives 80
Methamphetamine 33, 40, 42, 80, 83, 163–166, 169, 175, 176, 249
Methandronostenolone 85
Methaqualone 30, 40, 42, 163

- Methoxyphenylcarbonyl cation 200
Methoxyphenamine 32, 173–175
N-Methyl adrenaline 199
N-Methyl coniine 205
Methyl ethyl ketone 132
Methyl phenobarbital 223
2-Methyl piperidine 205
N-Methyl pseudoconhydrine 205
N-Methylaniline 71, 72
Methylcarbamate pesticides 87
Methylenedioxyamphetamine 42, 80, 82, 83, 138–143, 163, 169
Methylenedioxyamphetamine-derivatives 138, 169
Methylenedioxyamphetamine *O*-deacylated 138
Methylenedioxyamphetamine *O*-methylated 138
Methylenedioxyamphetamine 42, 80, 138–143, 163, 165, 169
Methylenedioxyethylamphetamine 42, 80, 82, 83, 103, 138–141, 143, 169
Methylenedioxyamphetaminophenamine 32, 42, 80, 82, 83, 103, 138–143, 163, 165, 169, 175
3,4-(Methylenedioxyphenyl)-2-butanamine 138–142
Methylephedrine 80, 176
Methyllycaconitine 199
Methylphenidate 42
Methylprednisolone 37, 111
6-Methylprednisolone 111
Methyl- d_3 -cotinine-*N*-glucuronide 99
N-Methyl-1-(3,4-methylenedioxyphenyl) - 2-butanamine 138
Methysergide 84, 86, 108
Metoclopramide 76, 241, 242
Metoprolol 32, 42, 237, 239
Mexiletine 42
M3G, see Morphine-3-glucuronide
M6G, see Morphine-6-glucuronide
Mianserin 42
Midazolam 104
Miotoxin A 202
Miotoxin E 202
Miotoxin F 202
Miotoxin G 202
MMDA 169
Moclobemide 42, 79, 239
Monoacetylmorphine 59, 104, 166, 252, 254, 255
3-Monoacetylmorphine 129
6-Monoacetylmorphine 59, 81, 104, 105, 129, 165, 166, 169, 171
Monodesethylchloroquine 240–242
Monohydroxytaxols 217
B-Monopropionate 111
MOP, see Methoxyphenamine
MOR, see Morphine
Morphine 29, 30, 32–37, 40–43, 55, 59, 80–83, 104, 128–131, 163, 165–167, 169, 171, 223, 234, 249, 250, 253–256, 259, 260
Morphine- d_3 107, 254
Morphine-3-glucuronide 80–83, 104–107
Morphine-6-glucuronide 80–83, 104–107
Morphine glucuronides 33, 37, 43, 80, 83, 104
Morphine hydrochloride 252
Morphine metabolites 43
Morphine sulfate 252
Morphinomimetics 240–242
Mycotoxins 114
Myosmine 211
Nalbuphine 236
Nalorphine 60, 81
Naloxone 60
Nandrolone 232, 233
Napelline 199
Naproxen glucuronides 20
Naproxen 13, 18, 19, 30, 31, 55
Narcotic analgesics 43
Narcotics 35, 42, 185
Natural toxins 87, 88
NCE, see Norcoethylen
NCOC, see Norcocaine
NCOD, see Norcodeine
Nefopam 77, 241, 242
Neoline 199
Neopelline 199
Neriine 211
Neroside 211
Neuroleptics 31, 40–43, 68
Neutral drugs 21, 33, 37, 38, 40, 41, 50, 69
NG, see Naproxen
Nicotine (metabolites) 41, 42, 82, 85, 163, 170–172, 185, 211, 212, 251, 260
Nifedidine 42
Nifedipine 16
Niflumic acid 77, 241, 242
Nitrazepam 32
1-Nitroalkanes 68, 69, 72
Nitrobenzene 71
Nitrobutane 70, 71
Nitrocatechol derivatives 87
Nitroethane 70, 71
Nitroheptane 70
Nitrohexane 70, 71
Nitromethane 70, 71
Nitrooctane 70
Nitropentane 70, 71
Nitropropane 70, 71
NMOR, see Normorphine
Nomifensine 42
Nonan-2-one 71
Nor LSD, see *N*-Desmethyl LSD
Non-narcotic analgesics 37
Non-opioid analgesics 18
Non-steroidal anti-inflammatory drugs 5–12, 14, 18, 19, 21, 22, 31, 39, 54, 58
Norbuprenorphine 84, 102
Norcoethylen 254–256
Norcoethylen · fumarate 252
N-Norcocaine 132
Norcocaine 132, 169, 254–259
Norcocaine hydrochloride 252

- Norcodeine 253–256, 259, 260
Norcodeine hydrochloride 252
Nordiazepam 60, 75, 76, 79, 172, 238, 241–244
[Nordiazepam, N-ethyl] 59
Nordothiepin 73
Nordothiepin sulfoxide 73
N-Norecgonine 132
N-Norecgonine methyl ester 132
Norfloxacin 240, 241
19-Norkaur-16-en-18-oic acid 187
Norketamine 241, 242
Norlaudanosine 129
Normorphine 105, 107, 253–256
Normorphine hydrochloride 252
Normicotine 211
Norpropoxyphene 236
Northiaden 239
Nortriptyline 52, 60, 76, 79, 98, 239
Norverapamil 87
Nor-iso-LSD 156
Nor-LSD, see *N*-Demethyl LSD
11-Nor-9-carboxy- Δ -9-tetrahydrocannabinol 120
Noscapine 129
Novacine 216
NPP, see Norpropoxyphene
NSAIDs, see Non-steroidal anti-inflammatory drugs
NSAIDs, glucuronides 12
NSAIDs, metabolites 11
Nucleosides 113
Nucleotides 113
ODNG, see *O*-Demethylnaproxen
Oenantherol, isomers 203
Oenantherone, isomers 203
Oenanthotoxine 203
Ofloxacin 163, 240, 241
3-OH-Flunitrazepam 87
OH-Progesterone 111
3-OHF, see 3-Hydroxyflunitrazepam
OH-THC 120–125
8-OH Metabolites of cannabinoids 125
Oils 267
Olanzapine 42
Oleandrine 181–229
Oleandroside 211
Oligosaccharides 114
Opiates 31, 40, 41, 43, 99, 162, 165, 172, 232, 250
Opioids 36, 38, 262
Opium 129, 130
Opium alkaloids 128–130
Opium alkaloids, degradation products 130
Opium powder 223
Organic Pt-compounds 87
Organophosphates 87, 88
Origin impurities 128
OTC drugs 174
Oxazepam 30, 32, 34, 74, 97, 172, 238, 241–244
Oxicames 18
21-Oxogelsemine 210
2-Oxo-LSD 154, 156
17-Oxo-sparteine 215
2-Oxo-3-hydroxy-LAMPA 151–153, 155
2-Oxo-3-hydroxy-LSD 147, 148, 151–153, 155–157
Oxybutynin 87
Paclitaxel 217, 218
Paints 269
Papaverine 128, 129
Paracetamol 18, 30, 31, 34, 71–73, 77, 81, 223, 241–244
Paratiosides A–C 213
Parquine 201
PCBs 240–242
PCHP, see 1-(1-Phenylcyclohexyl)-4-hydroxypiperidine
PCP, see Phencyclidine
Pentan-2-one 71
Pentazocine 236
Pentobarbital 15, 30, 32, 241, 242
Peptide hormones 114
Peptides 81, 101, 115
Peptidic drugs 43
Perhexiline 42, 60
Periguloside 206
Pesticides 48, 88, 240–242
Pethidine 32, 77, 236
Phenacetin 71
Phenanthrenic derivatives 129
Phencyclidine 41, 42, 163, 170, 171, 249, 260
Phenethylamines 82
Phenobarbital 15, 30, 31, 72, 172, 223, 232, 237
Phenobarbitone 32, 71
Phenolic group containing drugs 56
Phenothiazines 40, 42, 97, 98
Phenprocoumon 15, 21
Phentermine 42
3-Phenylacetoxyscopine 207
3-Phenylacetoxo-6- β -7- β -epoxytropane 207
Phenylalkylamines 16
Phenylcarbonyl cation 200
1-(1-Phenylcyclohexyl)-4-hydroxypiperidine 170
2-Phenylethanol 71
Phenylurea herbicides 87
4-Phenyl-4-piperidino-cyclohexanol 170
Phenytoin 42, 56, 172, 235, 237
Phloroglucindimethylether 217
Pholcodine 60, 163, 237
Physostigmine 215
Picrotoxine 206
Pigments 266, 267
Pigments in artists' paints 269
Pilocarpidine 213
Pilocarpine 186, 198, 213, 222, 226, 249
Pinenes 208
Piperidinic alkaloids 205
Piroxicam 13, 18
Pizotifen 34, 42
Plant poisons 181–229
Plasticisers 266, 267
Platinum anticancer drugs 86

- Plutonium 215
PMA 42
Podophylline 216
Poisons 5, 47–63
Polar pesticides 87
Polar taxoids 222
Potassium 273–279
PPC, see 4-Phenyl-4-piperidino-cyclohexanol
PPX, see Dextropropoxyphene
Prazepam 74
Prednisolone 111, 112
Prednisone 111, 112
Prilates 15
Primidone 15
Printing inks 269
Promethazine 30, 32, 33, 77, 98, 240
Propranolol 42
PropERICIAZINE 98
Propiophenone 71
Propoxyphene 30, 42, 163
Propranolol 30, 237
2-Propylpiperidine 205
Prosapogenins 213
Proteins 80, 101, 115
Protiosides D1, E1 and F1 213
Protoverine 219
Prunasin 196, 198, 213, 214, 221, 226
Pseudococaine 133
Pseudoconhydrine 205
Pseudojervine 219
Pseudo-strychnine 216
Pseudo-yohimbine 213
Psychostimulants 235
Psychotropic drugs 86, 243, 244
Purpureaglucoiside A 208
Purpureaglucoiside B 208
Purpureaglucoiside C 208
Pyrrozole derivatives 18
Pyrrolidine alkaloids 201
Quaternary amines 40
Quercetin 206
Quinidine 42, 79
Quinine 42, 216
Quinolones 97, 172, 239, 240
Ranitidine 37
Rankinidine 210
Ranolazine, metabolites 87
Raubasine 214
Red inks 269, 271
Reduced haloperidol 235, 240
Rescinnamine 214
Reserpiline 214
Reserpine 60, 85, 97, 187, 192, 198, 214, 222
Resins 267
Retrorscine 186, 188, 198, 222, 226
RHL, see Reduced haloperidol
Ricin 210, 215, 219
Ricinine 214
Rinderine 209
Rodenticides 6, 15
Roridin A 202
Roridin B 202
Roridin C 202
Roridin D 202
Roridin E 202
Royal blue inks 269
Saffron 203, 204
Salbutamol 233
Salicilates 54
Salicylamide 71
Salicylate 41, 42
Salicylic acid 31, 233
Sambutamol 85
Saponin POD II 213
Sarsapogenin 209
Scopanol 201
Scoparoside 215
Scopolamine 41, 42, 186, 198, 201, 202, 210, 215, 222, 225
Secobarbital 241, 242
Secondary amine alkaloids 212
Sedatives 43
Sedative-hypnotics 34
Seligiline 42
Senecionine 186, 188, 198, 222
Serpentine 214
Sex steroids 109
Short-term intravenous anesthetics 15
Smilagenin 209
Solanine 215
Solasodine 215
Solvents 267
Sotalol 32, 87, 237, 239
Sparteine 186, 189, 196, 197, 198, 216, 222, 226
Spider venoms 88
STA, see Systematic toxicological analysis
Stanozol 163
Steroid conjugates 112
Steroid sulfates 85
Steroids 177
Stimulants 35, 36, 42, 43, 185
Strychnine 42, 187, 196, 198, 216, 222, 226
Strychnine sulfate 216
Sufentanil 236
Sulfonylureas 9–11, 14, 17, 18, 20, 21, 42, 103
Sulfonylureas, metabolites 10, 18
Sulindac 13
Sulfonylurea anti-diabetics 37
Superwarfarins 15
Supinidine 209
Surfactants 267
Symstotic 112
Systematic toxicological analysis 3–25, 27–45, 47–63
Talisamine 199
Taxanes 87
Taxine A 217
Taxine B 217

- Taxine C 217
Taxoids 217
Taxol, metabolites, deacytlyated 217
Taxol 181–229
Taxus diterpenoids 217
Taxusin 217
Tebaine 129, 130
Tebaol 129
Temazepam 73, 75
Temazepam metabolite 75
Temofloxacin 240, 241
Terazosin 87
Terbutaline 85
Terpenes 208
Tertiary amine alkaloids 212
Testosterone 101, 102, 111, 112
Testosterone enanthate 102
Testosterone-glucuronide 101
Testosterone, metabolites 102
Testosterone undecanoate 102
 Δ -9-Tetrahydrocannabinol 120
Tetrahydrocannabinol 31, 33, 34, 42, 43, 82, 120–125, 169, 170
D8-THC 85
D9-THC 85
THC, see Tetrahydrocannabinol
THC, metabolites 43, 121, 123
THCA 169, 170
THC-COOH 120–123, 125
Theophylline 21, 30–32, 36–39, 41, 42, 71, 72, 232
Therapeutic drugs 97, 101, 161–180
Therapeutic drugs of toxicological relevance 85–87
Therapeutic peptides 113
Therapeutic proteins 113
Therebentine 208
Thevetin 211
Thevetoxin 211
Thiapride 77
Thiazide-based diuretics 10, 17
Thiazides 17
Thiopental 15, 163, 166, 172, 240–242
Thioridazine 30, 32, 73, 240
Thioxanthenes 80, 86, 87
Thujone 208
Thyroxin 240–242
Tiapride 240
Tiemonium iodide 223
Tigloyloxytropane 201
Tigloytropeine 201
Tobacco alkaloids 212
Tobacco components 162
Tocainide 42
Tolbutamide 42
Toloxatone 74
Toluene 71, 72
Toxic peptides 113
Toxic plants 181–229
Toxic proteins 113, 114
Tramadol 33, 81
Tranquilizers 43
Trans-PCPdiol 170
Trazodone 30, 42, 59
Trenbolone 233
Triamcinolone 111
Triazolam 73, 97
Trichosanthine 219
Trichothecene glucosides 202
Tricyclic antidepressants 74, 172, 177
Trimacinolone acetone 111
Trimeprazine, metabolites 103
Trimeprazine sulphoxid 103
Trimethoxy analogues of cocaine 132
3'4'5'-Trimethoxy-substituted coca alkaloids 134
Trimetoxycocaine 131
Trimipramine 32
Tropane alkaloids 185, 201, 221
Tropanol 201
Tropococaine 131–133
Troponic acid 201
Truxillic acids 132
Truxillines 131–133
Truxinic acids 132
Uric acid 19
Uzarigenin 211
Valerophenone 71
Valproate 34
Valproic acid 42, 223
Venoms 113
Veracerine 219
Verapamil 16, 30, 42, 87
Veratramine 219
Veratridine 187, 192, 196–198, 219, 222, 226
Veratrosine 219
Verrucarrin A 202
Vinchlozalone 241, 242
Vomicine 216
War poisons 185
Warfarin 30, 31, 41, 42
Waxes 266, 267
Weakly acidic drugs 41, 50
Winterstein's acid 217
Xanthine derivatives 67
Xanthins 40
Xenobiotics 48
Yohimbane alkaloids 214
Yohimbine 186, 189, 198, 213, 214, 222, 226
Zipeprol 56, 163, 237
Zolpidem 43, 77, 235, 238
Zopiclone 43, 235, 238
Zuclopenthixol 102
Zygadenine 219