

IR - Georgia State Crime Lab

Spectra - 1,910

Description

The Georgia State Crime Lab database is a collection of 1,910 infrared reference spectra of controlled substances as well as compounds likely to be encountered in routine analysis and used for the instrumental analysis of drugs. The database was prepared at the Division of Forensic Sciences, Georgia State Crime Laboratory, Atlanta, Georgia. Most information on the spectra appears in the publication entitled *Instrumental Data for Drug Analysis*.

Additional Information

Each compound is identified by its chemical name and the method of analysis as well as structural formula, molecular formula, molecular weight, synonyms, use and trade name. Accompanying data was supplied by the Georgia State Forensic Laboratory.

Classifications

Anti-Infection Agents - 269	Anticholesteremics - 2	Mucolytics - 2	Hormones - 6
Antibacterials - 143	Antidiabetics - 3	Mydriatics - 2	Oxytocics - 6
Antibiotics - 31	Antidiarrheals - 3	Nasal Compounds - 2	Pituitarys - 3
Antifungals - 27	Antidotes - 7	Pharmaceutical Agents - 76	Progestogens - 6
Anti-Infectives - 10	Antiemetics & Emetics - 16	Pharmaceutical Aids - 7	Steroids - 31
Antimalarials - 10	Anthelmintics - 32	Pigmentation Agents - 4	Nervous System Agent - 102
Antimicrobials - 9	Antihyperlipo-Proteinemics - 3	Poisons - 6	Adrenergics & Anti-Adrenergics - 41
Antiseptics - 11	Antinauseants - 7	Precursors - 2	Anticholinergics & Cholinergics - 61
Antituberculars - 5	Antineoplastics - 28	Preservatives - 5	Pain Medications - 168
Antivirals - 9	Antioxidants - 3	Prophylactics - 2	Analgesics - 115
Trichomonacides - 1	Antiparkinsonians - 6	Reagents - 5	Anti-Inflammatorys - 53
Cardiovascular Agents - 120	Antiperistaltics - 3	Screens - 5	Psychotropics - 539
Antianginals - 2	Antiprotozoans - 3	Solvents - 7	Antidepressants - 38
Antiarrhythmics - 6	Antipruritics - 5	Suppressants - 3	Antipsychotics - 16
Anticoagulants - 4	Antipyretic - 15	Synthesis Aids - 122	Barbiturates - 6
Anti hypersensitives - 48	Anti-Ulceratives - 5	Uricosurics - 3	Depressants - 16
Cardiac Agents - 24	Anxiolytics - 8	Urinary Components - 8	Hallucinogens - 69
Vasodilating Agents - 36	Bleaching Agents - 2	Dietary Supplements - 66	Hypnotics - 50
Cold & Cough Preparations - 70	Blockers - 13	Amino Acids - 4	Narcotics - 145
Antihistamines - 48	Bronchodilators - 17	Flavoring Agents - 4	Neuroleptics - 3
Antitussives - 16	Cathartics - 4	Nutrients - 10	Opiates - 2
Decongestants - 3	Counter Irritants - 3	Sugars - 19	Relaxants - 34
Expectorants - 3	Diagnostic Aids - 17	Sweeteners - 9	Sedatives - 55
Control Agents - 778	Dilators - 52	Vitamins - 20	Stimulants - 40
Alkalizers - 5	Disinfectants - 5	Hormones - 142	Tranquilizers - 65
Anaesthetics - 80	Diuretics And Antidiuretics - 31	Anabolics - 23	Seizure Compounds - 38
Anorexics - 24	Hypoglycemics - 5	Androgens - 22	Anticonvulsants - 28
Antacids - 2	Inhibitors - 12	Contraceptives - 2	Antispasmodics - 10
Antagonists - 12	Insecticides - 2	Estrogens & Anti-Estrogens - 17	Miscellaneous - 6
Anti-Allergics - 3	Lipotropics - 3	Glucocorticoids - 26	
Antisasthmas - 6	Metabolites And Antimetabolites - 49		

Before release, all information was reviewed by our technical staff and has been subject to the Sadtler Data Review Protocol™ to provide you with the highest standard in spectral data today. These rigorous qualifying procedures start at data acquisition and continue throughout the database development process.

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Technique

The quality of data presented is of paramount importance in a reference source, so all of the data was generated at the Georgia State Crime Lab under uniform, reproducible conditions using state-of-the-art technology and verified chemical standards.

Unless otherwise stated, the compounds were prepared for spectral analysis by using potassium bromide (KBr) pellets. Some of the spectra may have small absorption bands due to CO₂ present in the sample chamber when the data were collected. This doublet can be found at 2360 cm⁻¹ and 2340 cm⁻¹.