World’s Largest Library of Infrared Spectra

Wiley’s KnowItAll IR Spectral Library offers access to over 264,000 infrared spectra—the world's largest and fastest-growing collection of reference-quality IR spectra.

This resource can be used with Wiley’s KnowItAll software or search software from a number of IR instrument vendors to identify unknown spectra.

Features & Benefits

• Access a wide range of compounds— from pure organics to industrial products
• Along with spectra, records contain physical properties and structures when available
• Increase the chances of identification/classification with access to the largest collection of IR spectra
• Cost-effective way to access the most comprehensive IR spectral collection
• Access the most recent data as it is added to the library

This library includes the KnowItAll ID Expert search software.

Applications

These databases are excellent tools for the interpretation, classification, identification, and verification of unknown compounds in a wide range of disciplines, for example, polymer, environmental, forensic, pharmaceutical, and food research and analyses.

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**Highest-Quality Spectra**

Sadler databases were processed according to rigorous protocols to ensure they are of the highest quality. These qualification procedures start at data acquisition and continue throughout the database development process.

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**Additional Information Included in Databases**

The KnowItAll IR Spectral Library provides much more information than simply the spectrum. Database records include the following details when available:

- Name
- Instrument
- Source of Sample
- Molecular Formula & Weight
- Chemical Structure
- Classification
- Chemical & Physical Properties

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**Affordable**

The KnowItAll IR Spectral Library is the most affordable way to access Wiley’s entire collection of IR data. Purchasing each database individually would cost hundreds of thousands of dollars for a collection that remains static. With an annual subscription, researchers can access all Wiley’s IR spectra at a fraction of the cost—plus get access to the most recent data.

See a list of databases included in the KnowItAll IR Spectral Library subscription on next page.
Includes the Following Spectral Databases

ATR-IR - Sadler Controlled & Prescription Drugs 1 - Wiley
ATR-IR - Sadler Controlled & Prescription Drugs 2 - Wiley
ATR-IR - Sadler Controlled & Prescription Drugs 3 - Wiley
ATR-IR - Sadler Controlled & Prescription Drugs 4 - Wiley
ATR-IR - Sadler Flavors & Fragrances - Wiley
ATR-IR - Sadler Inorganics 1 - Wiley
ATR-IR - Sadler Inorganics 2 - Wiley
ATR-IR - Sadler NIOSH Pocket Guide to Chemical Hazards Compounds - Wiley
ATR-IR - Sadler Nutraceuticals 1 - Wiley
ATR-IR - Sadler Nutraceuticals 2 - Wiley
ATR-IR - Sadler Organometallics 1 - Wiley
ATR-IR - Sadler Organometallics 2 - Wiley
ATR-IR - Sadler Polymers & Monomers (Basic) - Wiley
ATR-IR - Sadler Polymers & Monomers (Basic) 1 - Wiley
ATR-IR - Sadler Polymers & Monomers (Basic) 2 - Wiley
ATR-IR - Sadler Polymers & Monomers (Basic) 3 - Wiley
ATR-IR - Sadler Polymers & Monomers (Basic) 4 - Wiley
ATR-IR - Sigma-Aldrich Library of ATR-IR Spectra - Wiley
ATR-IR - Sadtler Standards 1 - Wiley
ATR-IR - Sadtler Standards 2 - Wiley
ATR-IR - Sadtler Standards 3 - Wiley
ATR-IR - Sadtler Standards 4 - Wiley
ATR-IR - Sadtler Standards 5 - Wiley
ATR-IR - Sadtler Standards 6 - Wiley
ATR-IR - Sadtler Standards 7 - Wiley
ATR-IR - Sadtler Steroids, Androgens, Progestins, & Estrogens - Wiley
ATR-IR - SWGDUG ATR-IR Spectral Library - Wiley
IR - Sadler Acrylates & Methacrylates - Wiley
IR - Sadler Adhesives & Sealants - Wiley
IR - Sadler Adhesives & Sealants (Subset) - Wiley
IR - Sadler Adhesives & Sealants (Organic & Polymeric Compounds Subset) - Wiley
IR - Sadler Adhesives & Sealants (Selected Subset) - Wiley
IR - Sadler Adhesives & Sealants (Vapor Phase Selected Subset) - Wiley
IR - Sadler Aldehydes - Wiley
IR - Sadler Amino Acids & Peptides - Wiley
IR - Sadler Anhydrides & Lactones - Wiley
IR - Automobile Paint Chips - Wiley
IR - Sadler Biochemicals - Wiley
IR - Sadler Carboxylic Acids - Wiley
IR - Sadler Coating Chemicals - Wiley
IR - Sadler Coating Chemicals (Revised) - Wiley
IR - Sadler Commonly Abused Drugs (Acid) - Wiley
IR - Sadler Commonly Abused Drugs (Base) - Wiley
IR - Sadler Controlled & Prescription Drugs - Wiley
IR - Sadler Demo Database - Wiley
IR - Sadler Dyes - Wiley
IR - Sadler Dyes, Alkynes & Azo Compounds - Wiley
IR - Sadler Dyes, Pigments & Stains - Wiley
IR - Sadler Electric Power Plant Materials - Wiley
IR - Sadler EPA Vapor Phase - Wiley
IR - Sadler Epoxy Resins, Curing Agents & Additives - Wiley
IR - Sadler Esters - Wiley
IR - Sadler Explosive Materials - Wiley
IR - Sadler Fats, Waxes & Derivatives - Wiley
IR - Sadler Fibers & Textile Chemicals - Wiley
IR - Sadler Fibers by Microscope - Wiley
IR - Sadler Flame Retardants - Wiley
IR - Sadler Flavors & Fragrances - Wiley
IR - Sadler Flavors & Fragrances (Vapor Phase) - Wiley
IR - Sadler Flavors, Fragrances & Oils - Wiley
IR - Sadler Food Additives - Wiley
IR - Sadler Food Additives (Revised) - Wiley
IR - Sadler Gases & Vapors - Wiley
IR - Georgia State Crime Lab - Wiley
IR - Sadler HAZMAT (Hazardous Materials) - Wiley
IR - Sadler Hydrocarbons - Wiley
IR - Sadler Hydrocarbons & Halogenated Hydrocarbons - Wiley
IR - Industrial Chemicals, Basic Organic Compounds - Wiley
IR - Industrial Chemicals, Pure Organic Compounds - Wiley
IR - Sadler Inorganics - Wiley
IR - Sadler Inorganics (Subset) - Wiley
IR - Sadler Intermediates - Wiley
IR - Sadler Intermediates (Basic) - Wiley
IR - Sadler Ketones - Wiley
IR - Sadler Lubricant Additives 1 - Wiley
IR - Sadler Lubricant Additives 2 - Wiley
IR - Sadler Lubricants 1 - Wiley
IR - Sadler Lubricants 2 - Wiley
IR - Sadler Minerals & Clays - Wiley
IR - Sadler NIOSH Pocket Guide to Chemical Hazards Compounds (Vapor Phase) - Wiley
IR - Sadler NIOSH Pocket Guide to Chemical Hazards Compounds - Wiley
IR - Sadler Nucleic Acids, Nucleosides & Nucleotides - Wiley
IR - Sadler Organometallics - Wiley
IR - Sadler Organometallics, Inorganics, & Compounds with Si, B or D - Wiley
IR - Organosilicones - Wiley
IR - Sadler Pesticides & Agricultural Chemicals - Wiley
IR - Sadler Petroleum Chemicals - Wiley
IR - Sadler Pharmaceutical Excipients - Wiley
IR - Sadler Pharmaceuticals - Wiley
IR - Sadler Polymers & Monomers (Basic) - Wiley
IR - Sadler Polymers & Monomers (Basic) 1 - Wiley
IR - Sadler Polymers & Monomers (Basic) 2 - Wiley
IR - Sadler Polymers & Monomers (Comprehensive) - Wiley
IR - Sadler Polymers & Monomers (Subset) - Wiley
IR - Sadler Polymers & Monomers (Subset) 1 - Wiley
IR - Sadler Polymers & Monomers (Subset) 2 - Wiley
IR - Sadler Polymers, Controlled Pyrolyzates - Wiley
IR - Sadler Polymers, Hummel - Wiley
IR - Polymers, Hummel Defined - Wiley
IR - Polymers, Hummel Defined Basic - Wiley
IR - Polymers, Hummel Industrial - Wiley
IR - Polymers, Hummel Industrial Monomers - Wiley
IR - Polymers, Hummel Industrial Polymers - Wiley
IR - Sadler Polyols - Wiley
IR - Sadler Prepared & Prescription Drugs (Acid) - Wiley
IR - Sadler Prepared & Prescription Drugs (Base) - Wiley
IR - Sadler Priority Pollutants - Wiley
IR - Sadler Priority Pollutants (Vapor Phase) - Wiley
IR - Sadler Protective Materials - Wiley
IR - Sadler Rubber Chemicals - Wiley
IR - Sadler Rubber Chemicals (Revised) - Wiley
IR - Sigma-Aldrich Library of FT-IR Spectra - Wiley
IR - Sadler Solvents - Wiley
IR - Sadler Solvents (Basic) - Wiley
IR - Sadler Solvents (Vapor Phase) - Wiley
IR - Sadler Standards (Comprehensive) - Wiley
IR - Sadler Standards (Organic & Polymeric Compounds Subset) - Wiley
IR - Sadler Standards (Selected Subset) - Wiley
IR - Sadler Standards (Subset) 1 - Wiley
IR - Sadler Standards (Subset) 2 - Wiley
IR - Sadler Standards (Vapor Phase Comprehensive) - Wiley
IR - Sadler Standards (Vapor Phase Selected Subset) - Wiley
IR - Sadler Standards 1 - Wiley
IR - Sadler Standards 2 - Wiley
IR - Sadler Standards 3 - Wiley
IR - Sadler Standards 4 - Wiley
IR - Sadler Standards 5 - Wiley
IR - Sadler Standards 6 - Wiley
IR - Sadler Starter Database - Wiley
IR - Sadler Steroids 1 - Wiley
IR - Sadler Steroids 2 - Wiley
IR - Sadler Steroids, Androgens, Progestins, & Estrogens - Wiley
IR - Sadler Sugars & Carbohydrates - Wiley
IR - Sadler Sulfur Compounds - Wiley
IR - Sadler Surfactants (Basic) - Wiley
IR - Sadler Surfactants (Comprehensive) - Wiley
IR - Sadler Surfactants (Subset) 1 - Wiley
IR - Sadler Surfactants (Subset) 2 - Wiley
IR - Surfactants, Hummel - Wiley
IR - Sadler Tutorial Database - Wiley
IR - Sadler University Standards - Wiley
IR - Sadler Water Treatment Chemicals - Wiley
IR - Common Organic Compounds (High) (Low) - Wiley

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