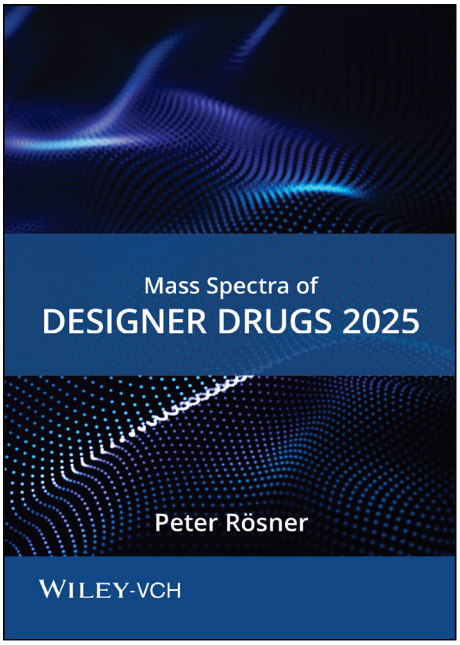
From the Leader in Spectral Databases

Mass Spectra of Designer Drugs 2025

Developed to help combat the global opioid health epidemic



Designer drugs are constantly evolving, and in order to keep up, you need access to the most recent spectral data.

Updated annually, Mass Spectra of Designer Drugs is the most comprehensive MS collection of designer drugs, pharmaceuticals, and related substances. That's why forensic, clinical, and toxicological laboratories throughout the globe rely on this comprehensive high-quality spectral database to identify illicit substances fast.

This GC-MS database contains 36,360 mass spectra of 27,500 unique chemical compounds, including novel psychoactive substances, with detailed information and chemical structures for each entry. It includes data from both legal and underground literature, providing the most comprehensive picture of these compounds.

Data are carefully compiled in cooperation with the Regional Departments of Criminal Investigation and other partners worldwide. As far as possible, spectra were verified by standard mass spectral libraries and checked by mass spectral interpretations.

What's New in the 2025 Release

The 2025 release features the addition of over 1,260 new mass spectra and over 780 new, unique compounds in classification groups like fentanyls, various opioids, synthetic cannabinoids, and many more. Updated annually, this release covers substances up to December 31, 2024.

Applications

This GC-MS library is a critical and essential resource for analytical chemists in forensic, clinical, and toxicological laboratories who support law enforcement authorities with their services. It's used in both local and federal crime labs, medical examiner's offices, border control, and just about anywhere forensic analysis takes place.

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Specifications

- Mass Spectra: 36,360
- Chemical Structures: 36,360
- Unique Compounds: 27,500
- Measured Kovats Indices: 22,444
- Average Quality Index/Spectrum (QI): 965
- Opiates: 379
- Fentanyles/Fentalogues: 3,439
- Cannabinoids: 2,114
- Controlled Compounds
  - Schedule I 1,284
  - Schedule II 128
  - Schedule III 285
  - Schedule IV 87
  - Schedule V 6

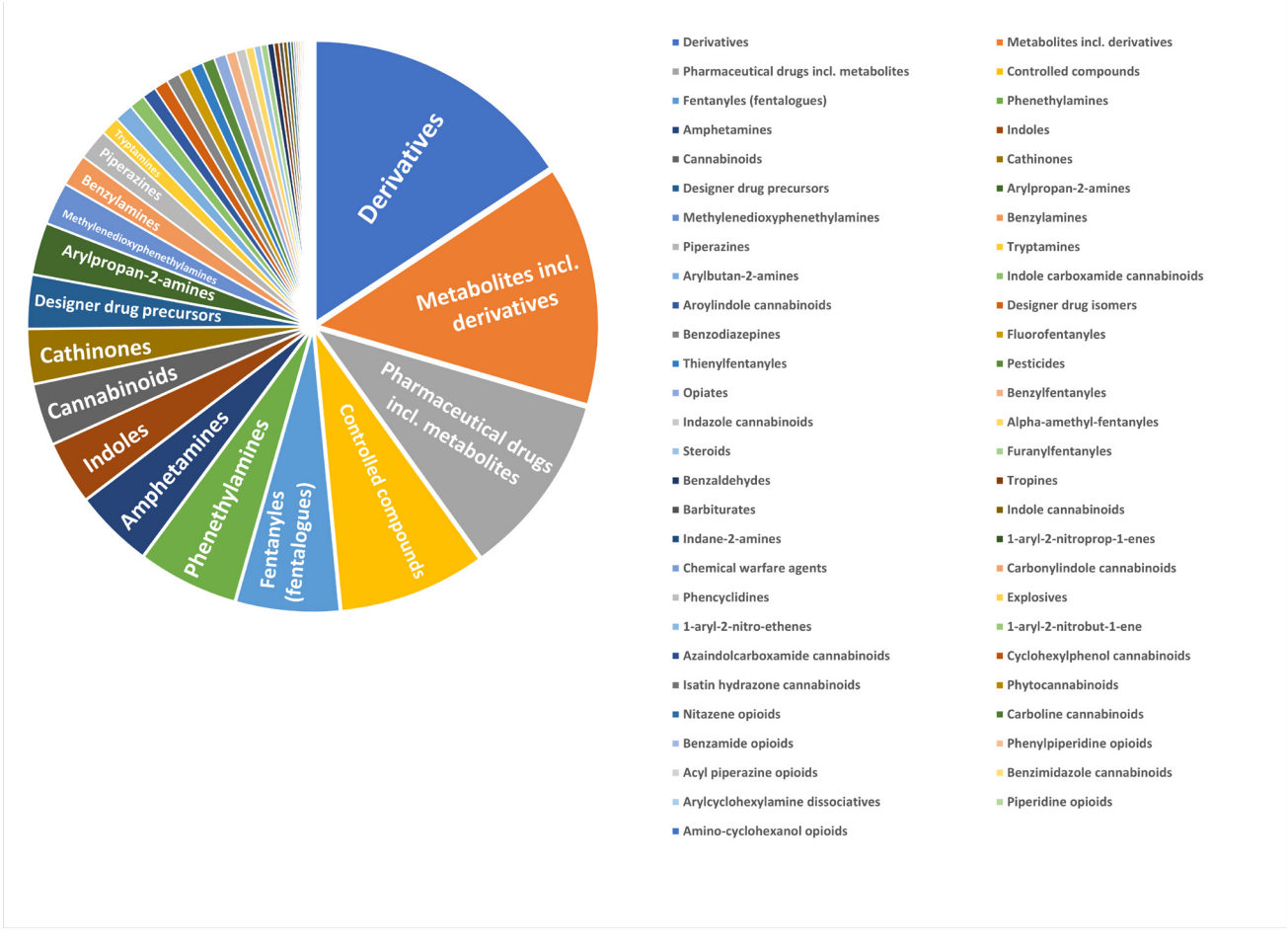
See “Compound Coverage” for more.

Compound Coverage

This mass spectral libary is the most comprehensive of its kind and includes pharmaceuticals, street drugs, and even related compounds like pesticides.

In this collection, you’ll find designer drugs and their isomers, precursors, derivatives, and metabolites, including androgens, cannabinoids, controlled compounds, depressants, hallucinogens, narcotics, piperazines, psychedelics, sedatives, and stimulants such as:

- Fentanyl and fentalogues
- Opioids
- Amphetamines
- Methylenedioxyphenethylamines
- Phenethylamines
- Indoles
- Cathinones
- Tryptamines
- Benzodiazepines
- Tropines
- Barbituates
- Steroids



Ordering information

Product Code	Name	Format
9783527353927	Mass Spectra of Designer Drugs 2025	USB
9783527353910	Mass Spectra of Designer Drugs 2025, Upgrade	USB
978EALDB04331	Designer Drugs GC-MS Library (Annual Subscription)	KnowItAll subscription
978EALDB04324	Designer Drugs GC-MS Library (Annual Subscription Renewal)	KnowItAll subscription

Compatibility

- Available in the most common instrumentation manufacturer formats
- Also available as a KnowItAll subscription for use with Wiley's KnowItAll software, which supports multiple vendor formats

For full compatibility information please visit https://sciencesolutions.wiley.com/compatibility

Trusted data from a trusted source

Wiley is an authoritative source for scientific data. Our renowned databases are processed according to rigorous protocols to ensure they are of the highest quality. Qualification procedures start at data acquisition and continue throughout the database development process. Any data acquired from trusted partners is thoroughly vetted before inclusion in our collections.