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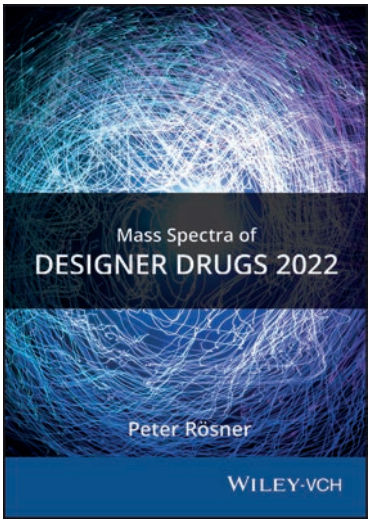
Mass Spectra of Designer Drugs 2022

From the Leader in Spectral Data

Developed to help combat the global opioid health epidemic



Mass Spectra of Designer Drugs is the most comprehensive MS collection of designer drugs, pharmaceuticals, chemical warfare agents and related substances.

The database includes 32,855 mass spectra of 25,343 unique chemical compounds with detailed information and chemical structures for each entry. It includes data taken 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 as well with other cooperation 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 2022 Release

The 2022 release features the addition of nearly 1,600 new mass spectra and over 1,400 new, unique compounds in classification groups like fentanyls, synthetic cannabinoids, and many more. Updated annually, the 2022 release covers designer drugs and related substances up to December 31, 2021.

Specifications

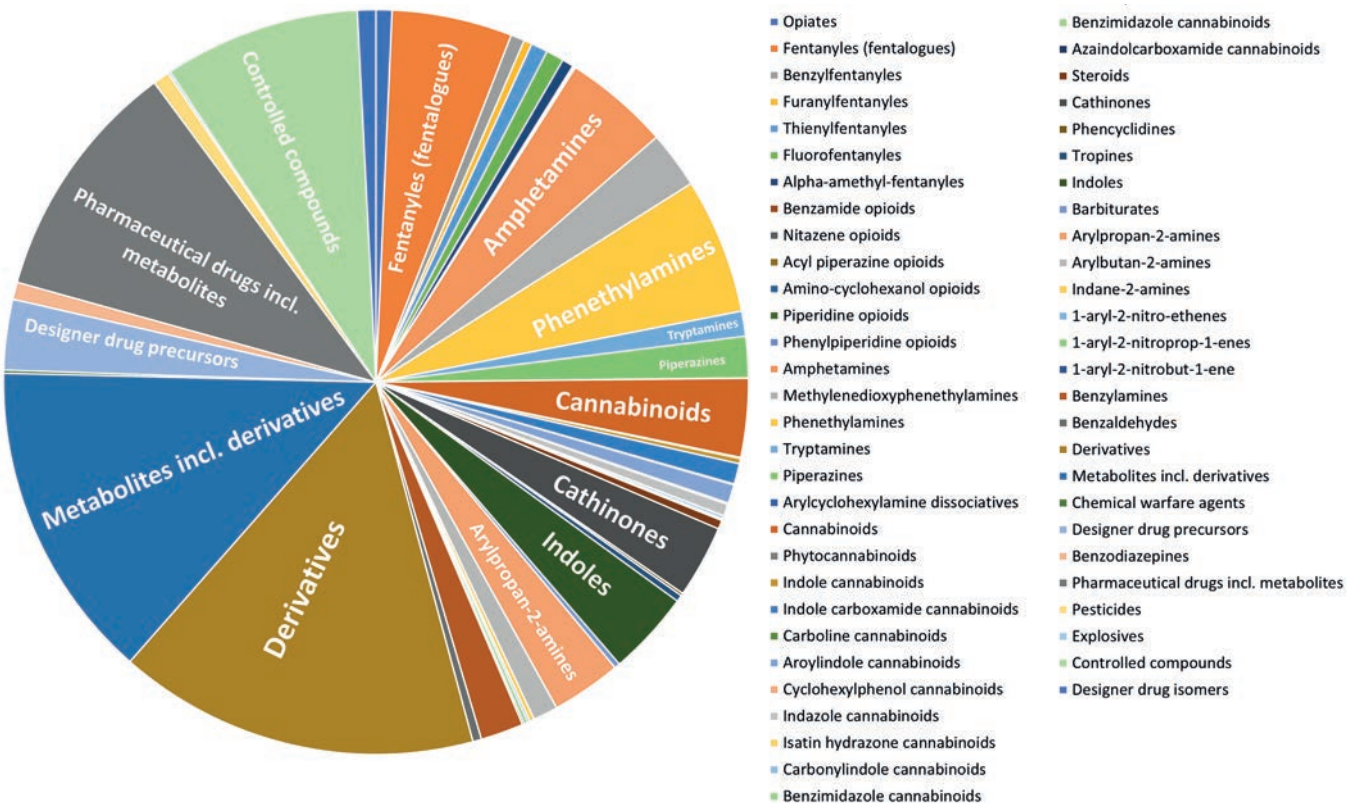
- Mass Spectra: 32,855
- Chemical Structures: 32,855
- Unique Compounds: 25,343
- Measured Kovats Indices: 21,355
- Average Quality Index/Spectrum (QI): 960
- Opiates: 360
- Fentanyls/Fentalogues: 2,725
- Cannabinoids: 1,779
- See "Compound Coverage" for more.

Applications

This database is a critical and essential resource for analytical chemists in forensic, clinical, and toxicological laboratories who support law enforcement authorities with their services.

Compound Coverage

Compound coverage for individual compounds can be verified at www.compoundsearch.com



Compatibility

Compatible with most current and legacy mass spectrometry data systems. For full compatibility information please visit sciencesolutions.wiley.com/compatibility

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About the Author

Author Peter Rösner studied chemistry, pharmacology, and toxicology at the University of Kiel. In 1982, he joined the regional department of criminal investigation in Kiel and became the leader ofthe toxicology department, focusing on drug identification and structure elucidation with GC/MS. Since 1992, he has been a lecturer in mass spectrometry at the University of Kiel. Dr. Rösner receivedthe Jean-Servais-Stas Award from the Society of Toxicological and Forensic Chemistry on April 15, 2005 in honor of his outstanding work on daughter ion mass spectroscopy and mass spectral databases.

Ordering Information

Mass Spectra of Designer Drugs 2022
ISBN: 978-3-527-35078-0
FORMAT - USB

Mass Spectra of Designer Drugs 2022, Upgrade
ISBN: 978-3-527-35079-7
FORMAT - USB

A KnowItAll subscription is also available:

Designer Drugs GC-MS Library (Annual Subscription)
SKU: 978EALDB04331

Designer Drugs GC-MS Library (Annual Subscription Renewal)
SKU: 978EALDB04324

Trusted Data from a Trusted Source

Wiley is the authoritative source for spectral 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.