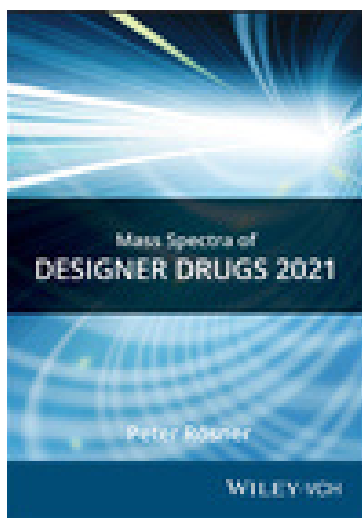


Mass Spectra of Designer Drugs 2021

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 31,169 mass spectra of 23,879 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 spectra libraries and checked by mass spectral interpretations.

What's New in the 2021 Release

The 2021 release features the addition of nearly 1,700 new mass spectra and over 1,500 new, unique compounds in classification groups like fentanyls, synthetic cannabinoids, and many more. Updated annually, the 2021 release covers designer drugs and related substances up to December 31, 2020.

Specifications

- Mass Spectra: 31,169
- Chemical Structures: 31,169
- Unique Compounds: 23,879
- Measured Kovats Indices: 20,102
- Average Quality Index/Spectrum (QI): 955.6

Sample Classes

- Opiates: 351
- Fentanyls/Fentalogues: 2,240
- Cannabimimetics: 1,086
- Cannabinoids: 112

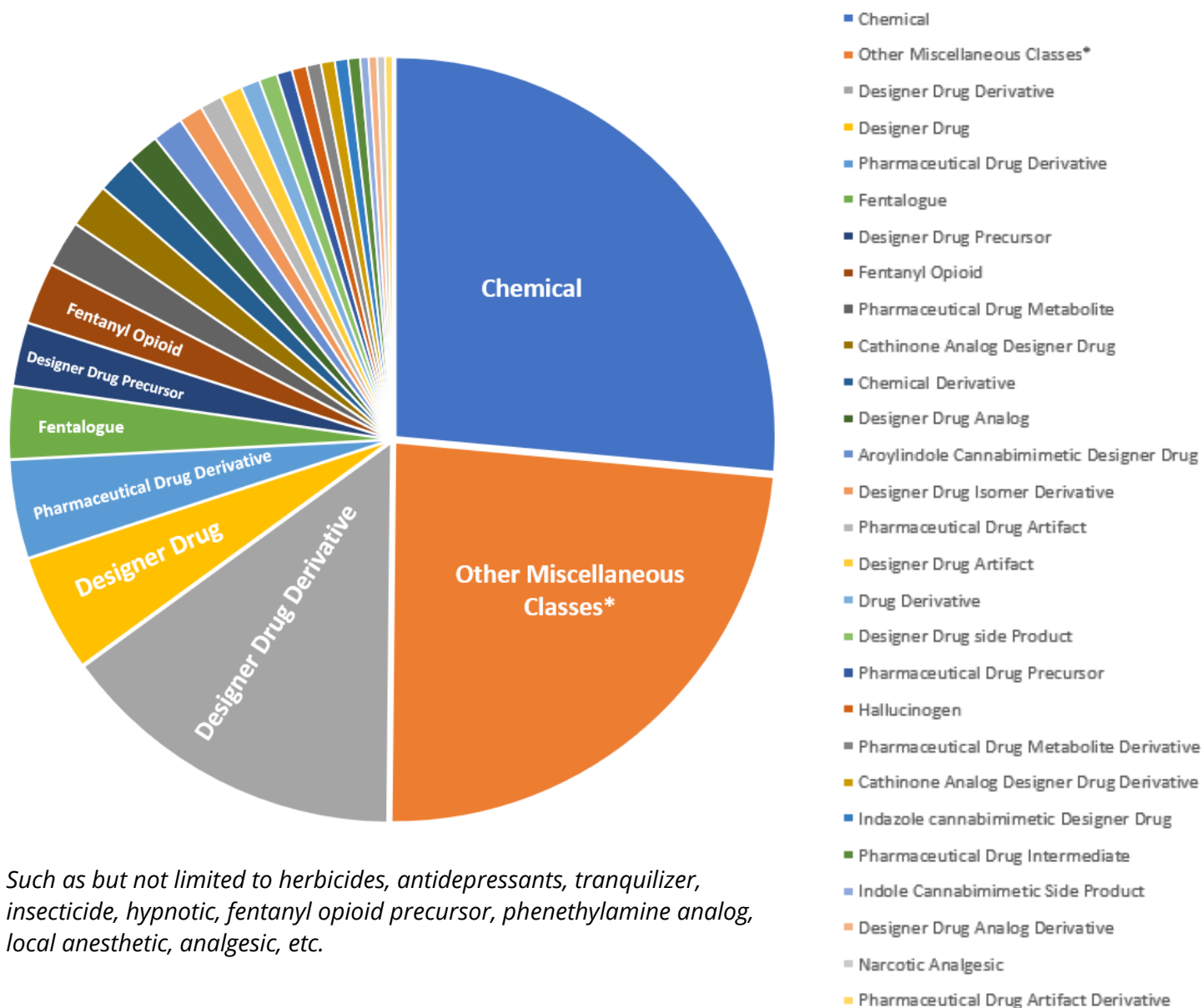
See "Compound Coverage" for more.

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



* Such as but not limited to herbicides, antidepressants, tranquilizer, insecticide, hypnotic, fentanyl opioid precursor, phenethylamine analog, local anesthetic, analgesic, etc.

Compatibility

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



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 of the 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 received the 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 2021

ISBN: 978-3-527-35006-3

FORMAT - DVD

Mass Spectra of Designer Drugs 2021, Upgrade

ISBN: 978-3-527-35007-0

FORMAT - DVD