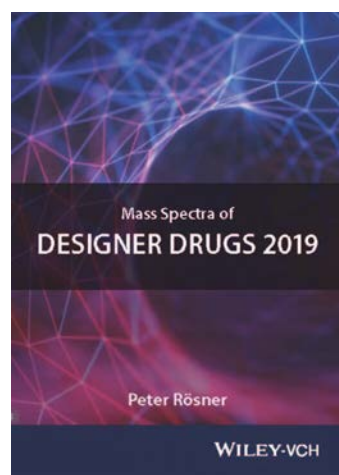# Mass Spectra of Designer Drugs 2019

Developed to help combat the global opioid health epidemic

The *Mass Spectra of Designer Drugs 2019* is the largest collection of chemical signatures of NPS and drugs of abuse in the world. The 2019 edition features the addition of **over 1,500 new mass spectra and over 1,250 new, unique compounds** in over 30 different classification groups such as fentanyls, synthetic cannabinoids, and opiates.

With an average quality index per spectrum of 950.0 and 18,017 Kovats retention indices, this spectral library provides comprehensive data on the most up-to-date list of novel psychoactive substances. Updated annually, the 2019 edition covers the range of known novel psychoactive substances through December 31, 2018

📊 Specifications

- Mass Spectra: 28,032
- Chemical Structures: 28,032
- Unique Compounds: 21,649
- Opiates: 353
- Fentanyls: 866
- Cannabimimetics: 996
- Cannabinoids: 112
- Measured Kovats Indices: 18,017
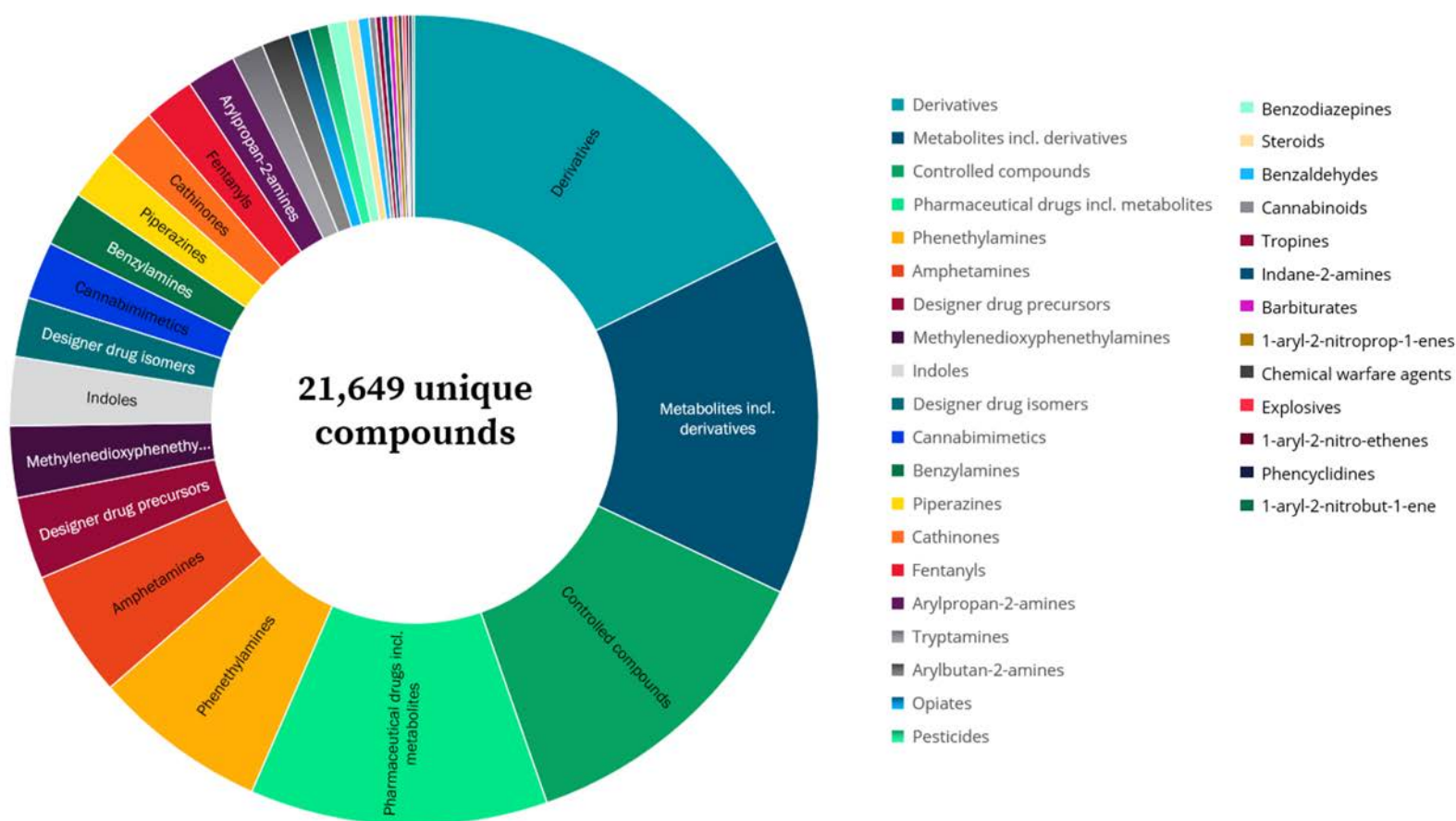- Average Quality Index/Spectrum (QI): 950.0

⚙️ Compatibility

Compatible with most current and legacy mass spectrometry data systems including:

- Agilent ChemStation, MassHunter, OpenLab
- Bruker MS Workstation
- Chromatec Analytic
- JEOL msFineAnalysis
- LECO ChromaTOF
- NIST MS Search
- PerkinElmer TurboMass
- Scion MS Workstation
- Shimadzu GCMSsolution
- Thermo Chromeleon, TraceFinder, Xcalibur
- Waters MassLynx
- ACD/Labs ACD/Spectrus Processor*
- Bio-Rad KnowItAll® *
- Wiley Spectra Lab*

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🧪 Compound Coverage

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

21,649 unique compounds

- Derivatives
- Metabolites incl. derivatives
- Controlled compounds
- Pharmaceutical drugs incl. metabolites
- Phenethylamines
- Amphetamines
- Designer drug precursors
- Methylenedioxyphenethylamines
- Indoles
- Designer drug isomers
- Cannabimimetics
- Benzylamines
- Piperazines
- Cathinones
- Fentanyls
- Arylpropan-2-amines
- Tryptamines
- Arylbutan-2-amines
- Opiates
- Pesticides

- Benzodiazepines
- Steroids
- Benzaldehydes
- Cannabinoids
- Tropines
- Indane-2-amines
- Barbiturates
- 1-aryl-2-nitroprop-1-enes
- Chemical warfare agents
- Explosives
- 1-aryl-2-nitro-ethenes
- Phencyclidines
- 1-aryl-2-nitrobut-1-ene

Ordering Information

Mass Spectra of Designer Drugs 2019
CD-ROM ISBN: 978-3-527-34685-1
Mass Spectra of Designer Drugs 2019, Upgrade
CD-ROM ISBN: 978-3-527-34684-4

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