WILEY

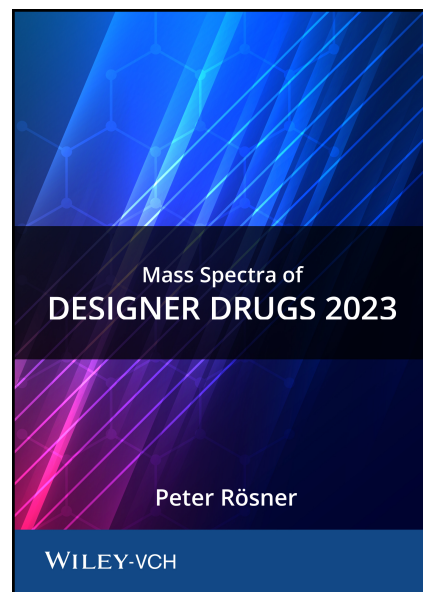# Mass Spectra of Designer Drugs 2023

From the Leader in Spectral Data

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, chemical warfare agents 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.

The database contains 34,209 mass spectra of 26,195 unique chemical compounds 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.

This trusted resource is carefully compiled in cooperation with 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.

Mass Spectra of
DESIGNER DRUGS 2023

Peter Rösner

WILEY-VCH

What's New in the 2023 Release

The 2023 release features the addition of over 1,300 new mass spectra and over 800 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, 2022.

Specifications

- Mass Spectra: 34,209
- Chemical Structures: 34,209
- Unique Compounds: 26,195
- Measured Kovats Indices: 21,923
- Average Quality Index/Spectrum (QI): 964

- Opiates: 367
- Fentanyles/Fentalogues: 3,176
- Cannabinoids: 1,889
- See "Compound Coverage" for more.

派艾斯科技
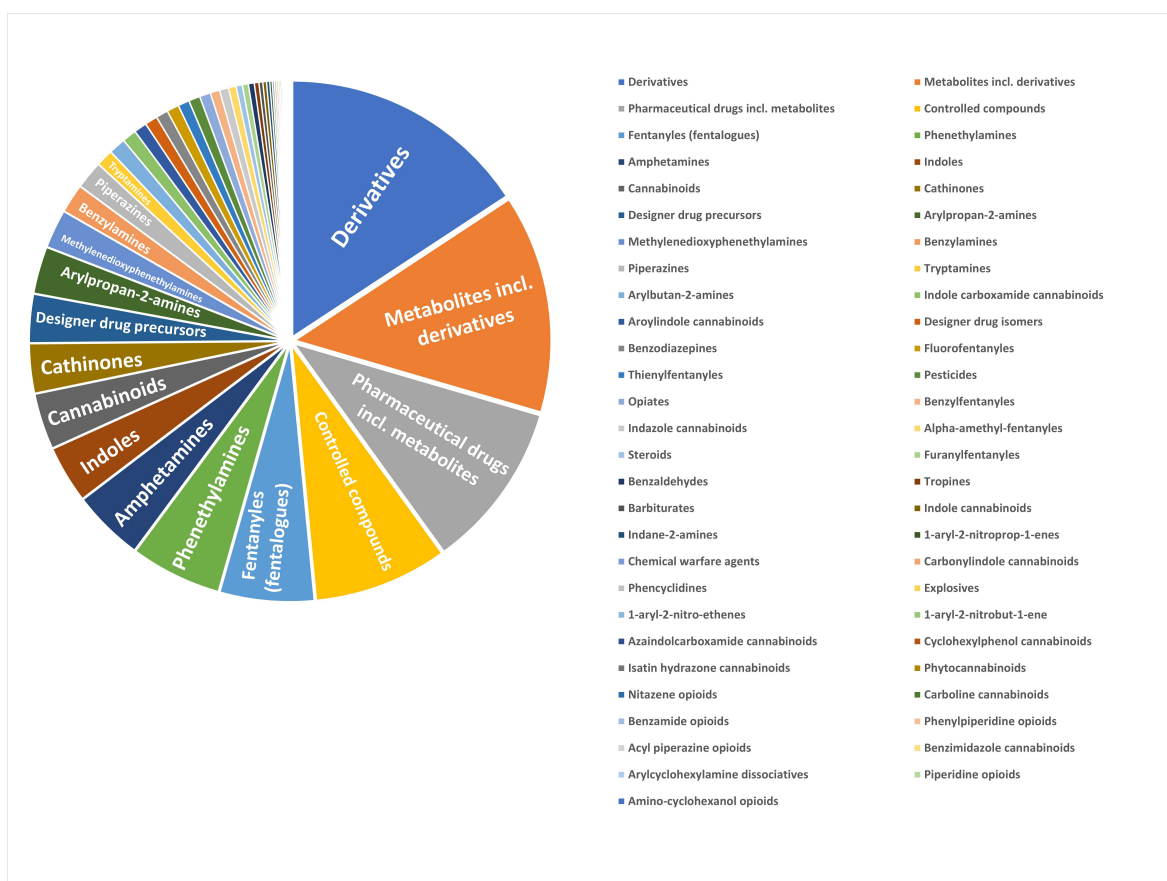Product As A Service

https://www.paastech.com/specana

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

This database is the most comprehensive of its kind and includes pharmaceutical and street drugs covering classes such as fentanyl, opioids, hallucinogens, antidepressants, tranquilizers, cannabinoids, and many more!

■ Derivatives	■ Metabolites incl. derivatives
■ Pharmaceutical drugs incl. metabolites	■ Controlled compounds
■ Fentanyles (fentalogues)	■ Phenethylamines
■ Amphetamines	■ Indoles
■ Cannabinoids	■ Cathinones
■ Designer drug precursors	■ Arylpropan-2-amines
■ Methylenedioxyphenethylamines	■ Benzylamines
■ Piperazines	■ Tryptamines
■ Arylbutan-2-amines	■ Indole carboxamide cannabinoids
■ Aroylindole cannabinoids	■ Designer drug isomers
■ Benzodiazepines	■ Fluorofentanyles
■ Thienylfentanyles	■ Pesticides
■ Opiates	■ Benzylfentanyles
■ Indazole cannabinoids	■ Alpha-amethyl-fentanyles
■ Steroids	■ Furanylfentanyles
■ Benzaldehydes	■ Tropines
■ Barbiturates	■ Indole cannabinoids
■ Indane-2-amines	■ 1-aryl-2-nitroprop-1-enes
■ Chemical warfare agents	■ Carbonylindole cannabinoids
■ Phencyclidines	■ Explosives
■ 1-aryl-2-nitro-ethenes	■ 1-aryl-2-nitrobut-1-ene
■ Azaindolcarboxamide cannabinoids	■ Cyclohexylphenol cannabinoids
■ Isatin hydrazone cannabinoids	■ Phytocannabinoids
■ Nitazene opioids	■ Carboline cannabinoids
■ Benzamide opioids	■ Phenylpiperidine opioids
■ Acyl piperazine opioids	■ Benzimidazole cannabinoids
■ Arylcyclohexylamine dissociatives	■ Piperidine opioids
■ Amino-cyclohexanol opioids	

Compatibility

Compatible with most current and legacy mass spectrometry data systems and is also available for use with Wiley's KnowItAll analytical software, with MS Adaptive search, which aids in the identification of novel compounds using structure/fragment relationships.

For full compatibility information, please visit https://www.paastech.com/specana

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