

COURSE DESCRIPTION

This two day course presents methods via instrumentation (GCMS, FTIR) to analyze synthetic cannabinoids using synthetic cannabinoid drug reference standards. Class work also consists of data review.

Topics will include:

Definition of a synthetic cannabinoid. Recognition of synthetic cannabinoid packaging and names. Legitimate pharmaceutical analog product development versus synthetic cannabinoid manufacturing. Understanding different generations of synthetic cannabinoids. Mass spectral characteristics of synthetic cannabinoids. Fragmentation of core structures and side-chains. FTIR analysis and characteristics of synthetic cannabinoids. Other analytical techniques (Color testing, TLC and Raman). Searching for sources of analytical and activity information. Patent and published literature searches. Chemical structure assessment for isomer/analog status. Reference material verification.

**C205 ANALYSIS OF SYNTHETIC
CANNABINOIDS**

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