



FORENSIC

# Revolutionizing Forensic Narcotics Testing

Need an easy-to-use benchtop solution for the testing of suspicious drug substances?

*Innovation with Integrity*

The Fourier 80 CrimeLab, with a nuclear magnetic resonance (NMR) Narcotics Profiling module from Bruker, is helping legal authorities and forensic laboratories around the world crack down on drug trafficking.

The end-to-end solution, from sample to automated report generation, is capable of untargeted identification and quantification of constituents in a mixture. An automated total disclosure of active ingredients, fillers, and formulations will be provided. The Fourier 80 CrimeLab with NMR Narcotics Profiling module has been especially tailored to the needs of the forensics environment, with its data and reports being suitable for legal proceedings.

Bruker's unique Distributed Laboratory Topology (DLT) concept for forensic networks means that signals in the NMR spectrum which cannot be matched to an existing database entry can be directly sent to the closest collaborating forensic laboratory for more detailed analysis by a floor-standing Bruker Avance Series NMR system. After characterization of the new substance, the underlying database can be updated and the system adapted to the new threat.



Ease-of-use	Customizable database	Accurate insights
Benchtop sized with enhanced laboratory accessibility	Modify library according to local threats	Reliable identification of new psychoactive substances
Push-button technology	No need to purchase databases	No need for a pre-qualified reference substance
Fully automated data interpretation and report generation for up to 120 samples	Ability to share data with organization and network	Ability to identify and quantify all constituents in suspicious mixtures
No prior NMR experience required	Full control of underlying database of compounds	Reports suitable for legal proceedings.
	Gives access to network of forensic laboratories for further analysis	

The compact footprint and push-button operation enable forensic investigators to take advantage of NMR, keeping operator and laboratory requirements to a minimum and significantly reducing time-to-result.

With its highly customizable database, the Fourier 80 CrimeLab with NMR Narcotics Profiling module provides unrivaled capabilities in addressing regional requirements, enabling local authorities to quickly adapt to new threats.

For more information about the Bruker Fourier 80 CrimeLab with NMR Narcotics Profiling module, please click [here](#)

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**Bruker BioSpin**  
info@bruker.com

bruker.com

**Customer Support**  
<https://www.bruker.com/en/services/support.html>

**Online information**  
[bruker.com/](https://www.bruker.com/)

