



Thermo Scientific
picoSpin 80 NMR Spectrometer



The high-resolution
benchtop NMR spectrometer

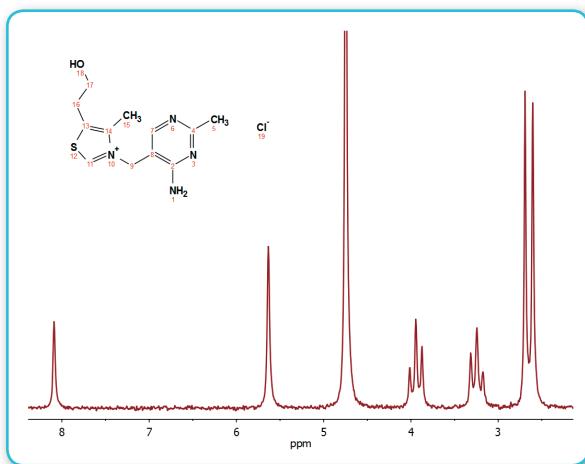
Thermo
SCIENTIFIC

Powerful Chemical Identification

practical and affordable

The affordable, benchtop picoSpin 80 NMR spectrometer offers:

- **Practical performance** – small molecule sensitivity designed for everyday use
- **Personal convenience** – portable NMR without waiting for core facility schedules
- **Low cost operation** – no cryogens, no deuterated solvents, mains energy supply
- **Unique technology** – capillary cartridge system ideal for monitoring chemistry

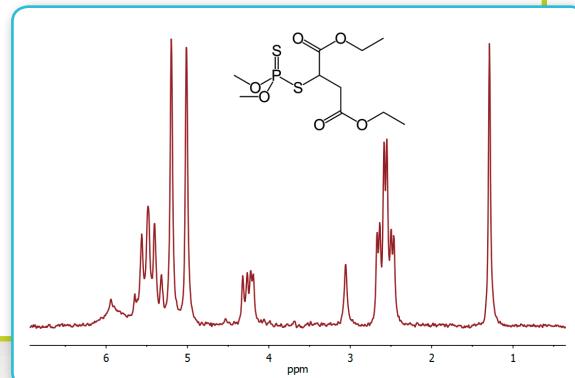


Pharmaceutical

Time efficiency means everything in a busy lab, so why wait hours for NMR data from the central facility. At 82 MHz the Thermo Scientific™ picoSpin™ 80 NMR spectrometer delivers chemical shift dispersion and resolution unmatched by other desktop NMR systems at 60 MHz and below. Whether it is distinguishing product from reactant or calculating reaction yield, the picoSpin 80 spectrometer delivers more clarity and confidence for fast decisions.

Improve Productivity

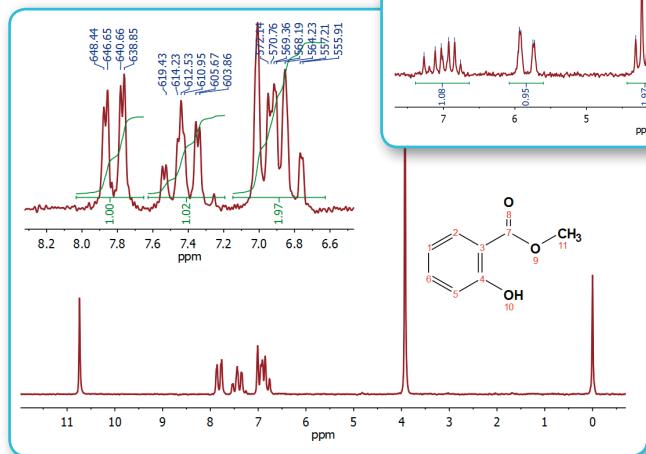
- NMR spectrum delivered in minutes not hours
- Faster optimization of chemical reactions
- Minimal sample preparation prior to injection



Classroom

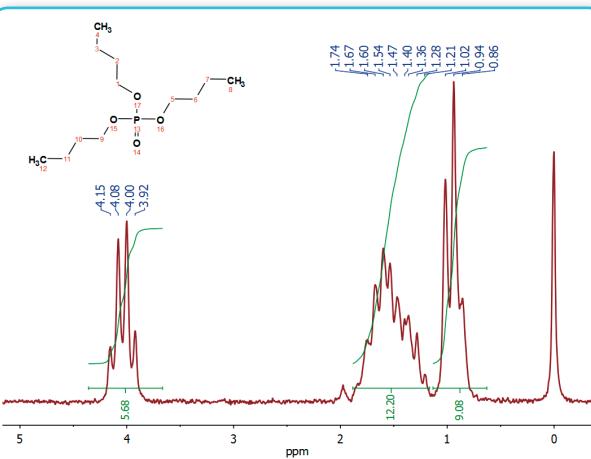
The picoSpin 80 NMR spectrometer is the perfect way to teach your students how easy NMR can be. It is effortless to use with minimal training required. Spectra are analyzed with bundled industry-leading Mnova™ software, so each student has all the tools needed to characterize their own compounds.

No sample-to-sample shimming is required after a quick and simple, first-time setup procedure, eliminating wait times between measuring multiple spectra. This becomes crucial when a group of students want to use the instrument all at the same time.



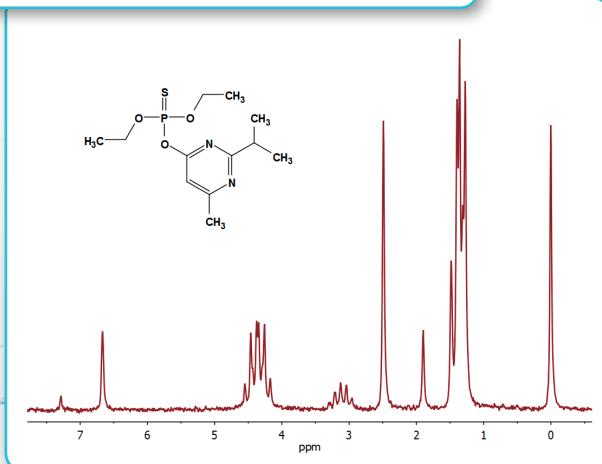
Enhance Your Classroom Experience

- No wait time between NMR measurements
- Gold-standard software for interpreting NMR spectra
- No need for a dedicated facility or exposure to cryogens



Process Analysis and QA/QC

Factory conditions may not always be ideal for delicate instruments. With the picoSpin 80 NMR spectrometer flexibility, portability, and reliability matter just as much as the quality of an NMR spectrum. Its rugged construction, light weight, and size can be easily placed next to a reactor in a fume-hood or close by in the same lab. Create reproducible conditions with the picoSpin 80 temperature-stabilized permanent magnet and cryogen-free operation.



Optimize Your Plant or Factory Workflow

- Inject samples into the capillary system with no workup
- Local placement of crucial analytical instrumentation
- Monitor the system remotely on your local network



The perfect complement to any analytical laboratory

picoSpin 45 NMR
spectrometer



picoSpin 80 NMR
spectrometer

Features:

- Sample delivery by capillary injection
- Stable 2T permanent magnet
- High resolution
- No sample-to-sample shimming

Now you can affordably add the NMR instrument you've always dreamed of to your analytical laboratory. Either of the Thermo Scientific picoSpin 45 or 80 NMR spectrometers fit neatly on the bench and only need mains power for operation.

The spectrometer can be monitored or operated remotely from a web browser as it boasts a web server built into the unit for maximum convenience. You can even operate it on a tablet or smart phone device if you have a wireless network.

picoSpin 80 NMR...completing your analytical lab

www.thermoscientific.com

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