

High resolution benchtop NMR for every chemistry laboratory

High performance benchtop NMR

- 60 MHz rare-earth permanent magnet with high resolution ($< 0.7\text{ Hz}$)
- Experiments available:
 - 1D ^1H and ^{19}F
 - Inversion recovery for T_1 measurements
 - CPMG for T_2 measurements
 - 2D NMR:
 - COSY
 - J-Resolved
 - TOCSY

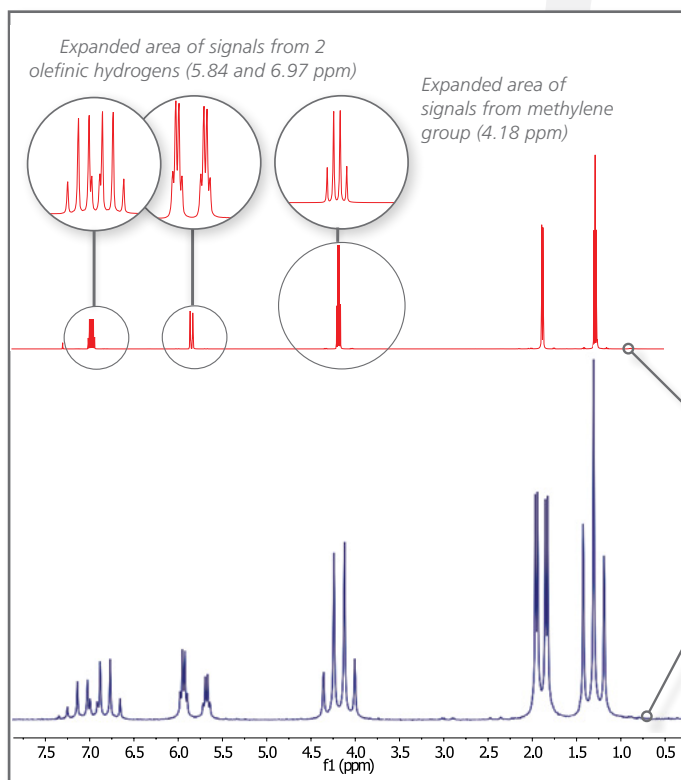
Ease of Use

- Completes your lab's suite of analytical techniques
- Perfect for teaching departments
- Easily operated by undergraduate students
- Simple analysis of spectra

Low maintenance and cost of ownership

- Cryogen-free system
- ^{19}F or ^1H measurements on single probe
- No specialist operator required
- Fast operation – high throughput of samples
- At-line reaction monitoring
- Suitable for screening samples before running on a high field system (eliminate unsuitable samples – save time and cost)

No liquid helium or nitrogen required



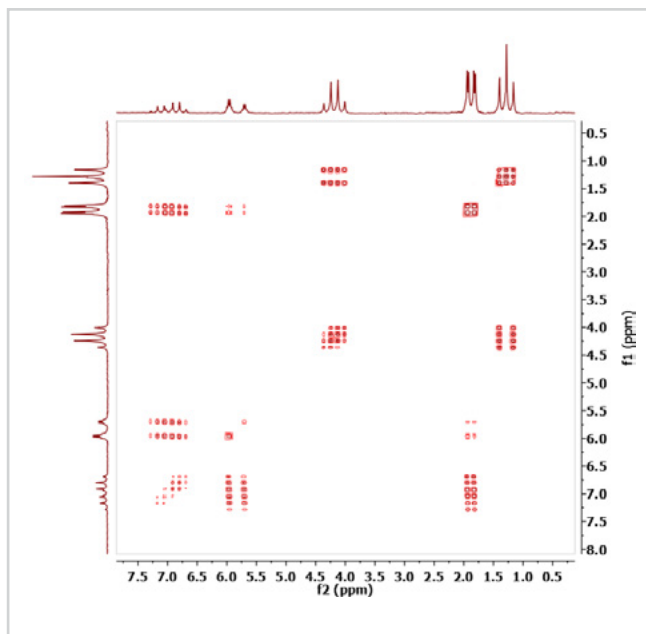
Ethyl crotonate spectrum acquired at 500 MHz (12.1 T)

Ethyl crotonate spectrum acquired at 60 MHz (1.45 T)

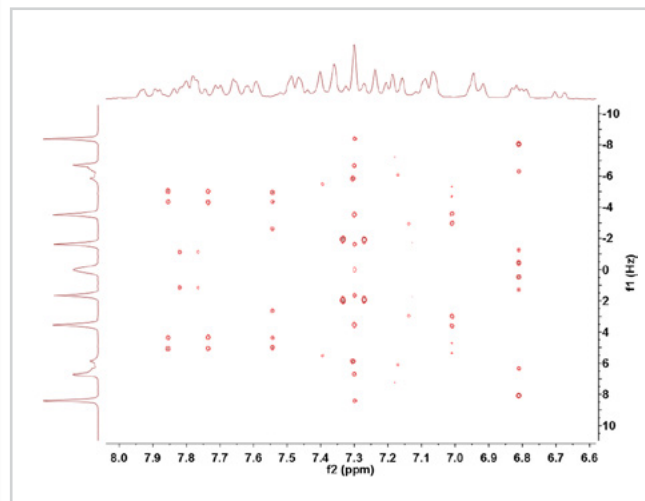
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INSTRUMENTS

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Pulsar offers a range of 2D NMR experiments including COSY; J-resolved and TOCSY.



Correlation Spectroscopy (COSY) data for ethyl crotonate



J-resolved spectroscopy of the aromatic region of 2-(2-hydroxy-phenyl) benzothiazole



Contact us now for more information
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visit www.oxford-instruments.com/pulsar for more information

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