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ROYALPROBE HFX Application Example (1)

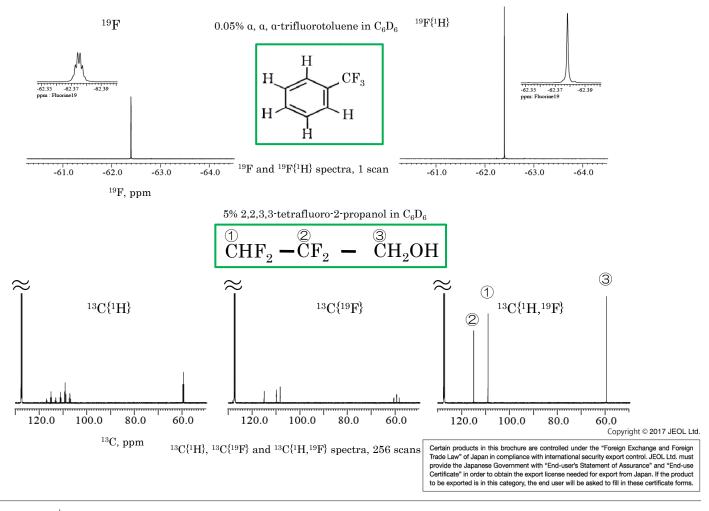
Related products: Nuclear Magnetic Resonance Spectrometer(NMR)

The brand new ROYALPROBE HFX tuned to either ¹H or ¹⁹F frequency (single tune mode) in the high-frequency (HF) channel on a JNM-ECZ series spectrometer equipped with 2 channels achieves the excellent sensitivity of the existing double resonance ROYALPROBE.

However, the ROYALPROBE HFX dually tuned to the ¹H and ¹⁹F frequencies in the HF channel simultaneously delivers the ¹H and ¹⁹F radio-frequency pulses from one power amplifier, in the same way as the existing triple-resonance TFH probe. In comparison to the TFH probe, the ROYALPROBE HFX achieves much higher sensitivity in double resonance ¹H/¹⁹F and triple resonance ¹H/¹⁹F/X experiments.

High sensitivity double resonance ¹H/X (or ¹⁹F/X) probe with the triple resonance ¹H/¹⁹F/X capability when needed[%]! ROYALPROBE and TFH probes implemented in a single probe!

%TFH probe: A triple-resonance X/19F/1H probe for 2 channel spectrometers. Example of data acquired on a JNM-ECZ500R 2-channel spectrometer equipped with a ROYALPROBE HFX



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