

ROYALprobe[™] HFX for 700MHz console is newly released

Product used : Nuclear Magnetic Resonance (NMR)

ROYALPROBE[™] HFX has been provided for 400, 500 and 600MHz NMR, and it is widely appreciated from the customers in the various fields. Here the ROYALPROBE™ HFX is newly released for the 700MHz NMR. As was announced, the unique feature of the probe is to switch between single and dual tune mode on the HF (1H/19F) coil, which make the user to perform triple resonance (1H/19F/X) experiments even with the 2ch console without compromising on its performance. Such triple resonance experiment (i.g. ¹³C {¹H, ¹⁹F}) is inevitable for the accurate structural analysis on the fluorine compounds (Fig. 1, Fig. 3). The higher field operation may help to gain sensitivity and resolution (Fig 2, Fig. 3).

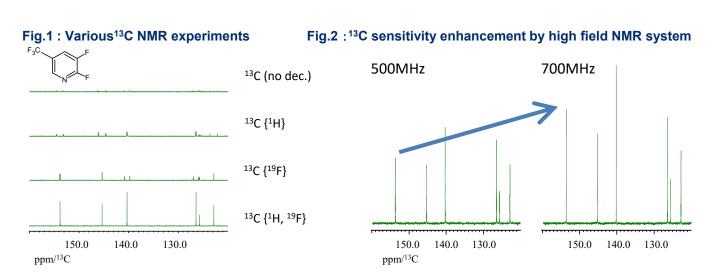
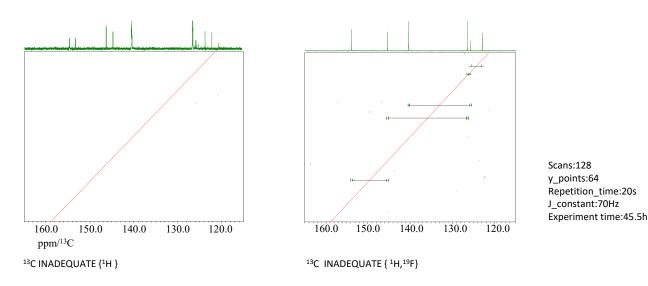


Fig.3: ¹³C INADEQUATE experiments of double resonance and triple resonance



All experiments were performed by using 100mg 2,3-difluoro-5-(trifluotomethyl) pyridine in DMSO-d_e.

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