Enhancing Your
Experimental Section of Theses or Reports

{FID}

{FID | FT}
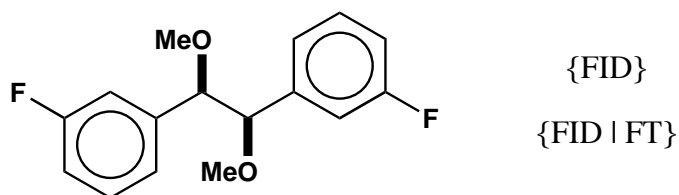
The NMR data for this compound would normally appear thus —

δ_H(400 MHz; CDCl$_3$) 7.12 (2 H, td, J 8.0 and $^4J_{HF}$ 5.9, 5-ArH), 6.88 (2 H, tdd, $^3J_{HF}$ 8.6, J 8.6, 2.5 and 0.8, 4-ArH), 6.79-6.73 (4 H, m, 2 and 6-ArH), 4.27 (2 H, s, ArCH) and 3.27 (6 H, s, OMe); δ_C(100.6 MHz; CDCl$_3$) 163.0$^-$ ($^1J_{HF}$ 204.6, 3-ArC), 140.9$^-$ (1-ArC), 129.6$^+$ ($^3J_{HF}$ 7.8, 5-ArC), 123.7$^+$ (6-ArC), 114.9$^+$ ($^2J_{HF}$ 21.2), 114.6$^+$ ($^2J_{HF}$ 21.9), 86.9$^+$ (ArCH) and 57.5$^+$ (Me); δ_F(235.4 MHz; CDCl$_3$; ^{1}H Decoupled) –113.9.

Enhanced format includes the FID (free induction decay) filename.

If the FID filename is 'ah1.3406' then the proton appears thus —

δ_H(400 MHz; CDCl$_3$){ah1.3406} 7.12 (2 H, td, J 8.0 and $^4J_{HF}$ 5.9, 5-ArH), 6.88 (2 H, tdd, $^3J_{HF}$ 8.6, J 8.6, 2.5 and 0.8, 4-ArH), 6.79-6.73 (4 H, m, 2 and 6-ArH), 4.27 (2 H, s, ArCH) and 3.27 (6 H, s, OMe).

The FID file must be available (with the same file name of course) on a floppy or ZIP disk. Make sure you cite the FID that you **actually used** for the spectral assignment.

More

You may include the FT (Fourier Transformed) spectrum as well as, but not instead of, the FID. If the FT filename is 'ah1.5607' then the proton appears thus —

δ_H(400 MHz; CDCl$_3$){ah1.3406 | ah1.5607} 7.12 (2 H, td, J 8.0 and $^4J_{HF}$ 5.9, 5-ArH), 6.88 (2 H, tdd, $^3J_{HF}$ 8.6, J 8.6, 2.5 and 0.8, 4-ArH), 6.79-6.73 (4 H, m, 2 and 6-ArH), 4.27 (2 H, s, ArCH) and 3.27 (6 H, s, OMe).

The FT file must be available if it is indicated.

Your complete NMR data should look something like this —

δ_H(400 MHz; CDCl$_3$){ah1.3406 | ah1.5607} 7.12 (2 H, td, J 8.0 and $^4J_{HF}$ 5.9, 5-ArH), 6.88 (2 H, tdd, $^3J_{HF}$ 8.6, J 8.6, 2.5 and 0.8, 4-ArH), 6.79-6.73 (4 H, m, 2 and 6-ArH), 4.27 (2 H, s, ArCH) and 3.27 (6 H, s, OMe); δ_C(100.6 MHz; CDCl$_3$){ah2.7205} 163.0$^-$ ($^1J_{HF}$ 204.6, 3-ArC), 140.9$^-$ (1-ArC), 129.6$^+$ ($^3J_{HF}$ 7.8, 5-ArC), 123.7$^+$ (6-ArC), 114.9$^+$ ($^2J_{HF}$ 21.2), 114.6$^+$ ($^2J_{HF}$ 21.9), 86.9$^+$ (ArCH) and 57.5$^+$ (Me); δ_F(235.4 MHz; CDCl$_3$; ^{1}H Decoupled){ah1.2209} –113.9.

If you are daring...

The filenames can be typed in hidden text so that they can be hidden when experimental is incorporated into papers but printed **in full** in reports. They will print normally but appear like this on the screen —

δ_H(400 MHz; CDCl$_3$){ah1.3406 | ah1.5607} 7.12 (2 H, td, J 8.0 and $^4J_{HF}$ 5.9, 5-ArH), 6.88 (2 H, tdd, $^3J_{HF}$ 8.6, J 8.6, 2.5 and 0.8, 4-ArH), 6.79-6.73 (4 H, m, 2 and 6-ArH), 4.27 (2 H, s, ArCH) and 3.27 (6 H, s, OMe); δ_C(100.6 MHz; CDCl$_3$){ah2.7205} 163.0$^-$ ($^1J_{HF}$ 204.6, 3-ArC), 140.9$^-$ (1-ArC), 129.6$^+$ ($^3J_{HF}$ 7.8, 5-ArC), 123.7$^+$ (6-ArC), 114.9$^+$ ($^2J_{HF}$ 21.2), 114.6$^+$ ($^2J_{HF}$ 21.9), 86.9$^+$ (ArCH) and 57.5$^+$ (Me); δ_F(235.4 MHz; CDCl$_3$; ^{1}H Decoupled){ah1.2209} –113.9.