



It is an organo-gold complex, containing one CF₃ group. In our lab, we can record a 1D-¹⁹F spectrum at 400 MHz, but we can't record any 2D ¹³C-¹⁹F correlation spectra. We record therefore a ¹H-¹³C HMBC and try to verify the CF₃ group indirectly by its neighbouring CH₂-group.

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Field strength: 600 MHz

Why is this your favorite spectrum?

I always have to laugh when I see this spectrum. Since I zoomed in for the first time, I see the face. (The diagonal of the "nose" is caused by the CF₃ group).

Comments: Please notice at the face also has eyebrows, some hairs and one ear. And I have the feeling it looks surprised.