

Using sum integrated area = 13.75 vs Area TFX = 14.83
HG backbone backbone

Thus for comp mole TFX have 0.927 mole HG Thus no DMK loss
have 2.15×10^{-5} mole HG ($\approx 18 \mu\text{g}$)

Integrated area $(\text{CH}_3)_2 = 78.61$ area ~~(CH₃)₂~~ 2xCH₃ TFA = 26.38

Thus 2.79 moles cm^3/CH_3 per mole TFX or 2.66×10^{-4} moles
 $\text{cm}^3/\text{CH}_3 / 0.7625 \text{g} = 3.49 \times 10^{-4}$ moles/g

Need 2.15×10^{-5} moles or less thus need 0.0626g solid or less

NMR tube — pot w 13.3 mg HG + STD (didn't get it out)

Injectal	HG + TFX	Temp	Phase	Temp
	" "	967	"F	30
	" "	968	"F	-80
	" "	969	"F	-80
50 mL dried	" "	970	"F	-80 (w 8 mL water)
MeOH (over	" "	971	"H	-80
38 mL solvent)	" "	972	"H	-70
	" "	973	"F	-70
	" "	974	"F	-60
	" "	975	"H	-60
	" "	976	"H	-50
	" "	977	"F	-50
	" "	978	"F	-40
	" "	979	"H	-40
	" "	980	"H	-30
	" "	981	"F	-30
	" "	982	"F	-20
	" "	983	"H	-20
	" "	984	"H	-10
	" "	985	"F	-10
	" "	986	"F	0
	" "	987	"H	0
	" "	988	"H	30
	" "	989	"F	30
	" "	990	"H	30

Apparently HG is stable in MeOH

SIGNATURE _____

READ AND UNDERSTOOD _____

DATE _____

DATE _____

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