

3-phenyl-propionaldehyde **2** ^1H NMR qNMR trial 2 (400 MHz, CDCl_3 , 298 K)

2: 15.3 mg

1,3,5-trimethoxybenzene (TMB): 19.2 mg

molar ratio: $(I_{\text{cpd}}/\text{NH}_{\text{cpd}})/(I_{\text{TMB}}/\text{NH}_{\text{TMB}}) = (2.0/2.0)/(3.09/3) = 0.97$

molecular weight of **2**: 134.18 g/mol

molecular weight of TMB: 168.19 g/mol

purity of TMB: $\geq 99\%$

wt % = $[(19.2 \times 134.18 \times 0.97 \times 0.999)/(15.3 \times 168.19)] \times 100 = 97.0\%$

16 scans, 60 s relaxation time (D1)

