

ESI for

PEGylated Dmoc Phosphoramidites for Sensitive Oligodeoxynucleotide Synthesis

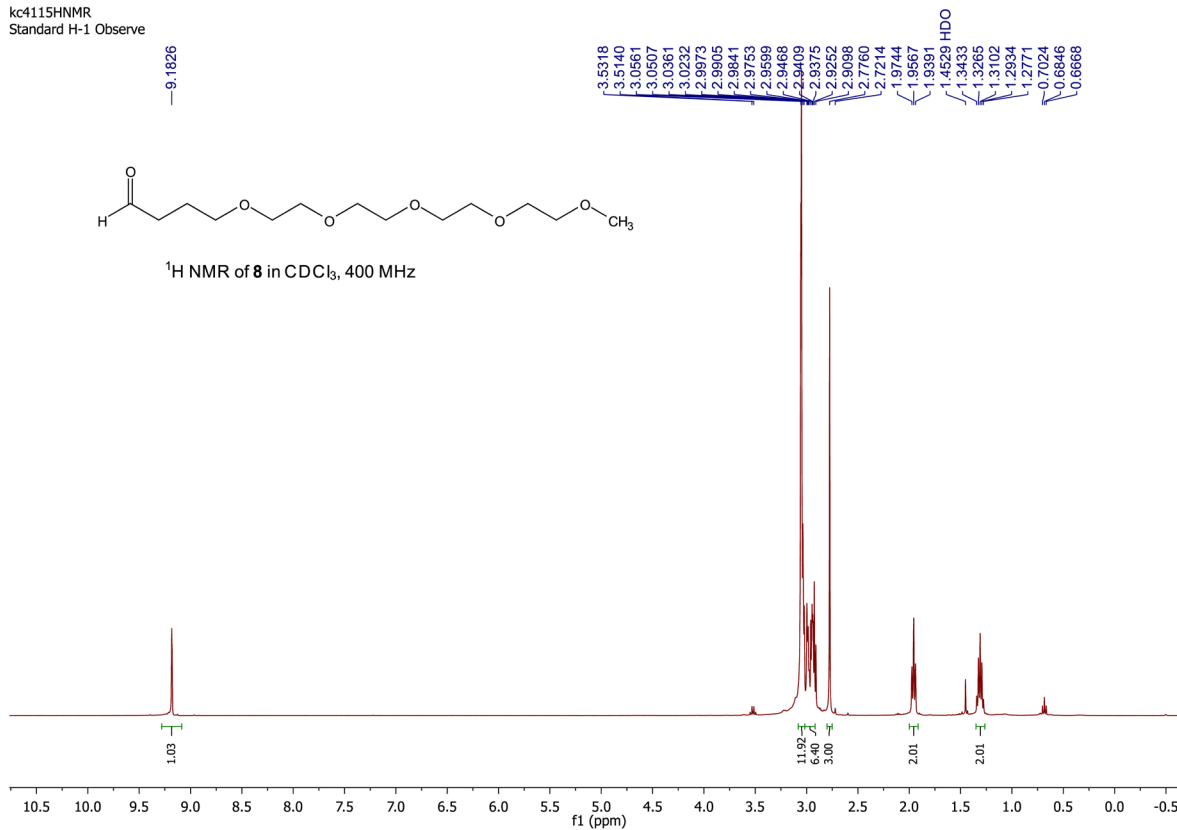
Komal Chillar, Yipeng Yin, Alexander Apostle and Shiyue Fang*

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1400 Townsend Drive, Houghton, MI, 49931, USA

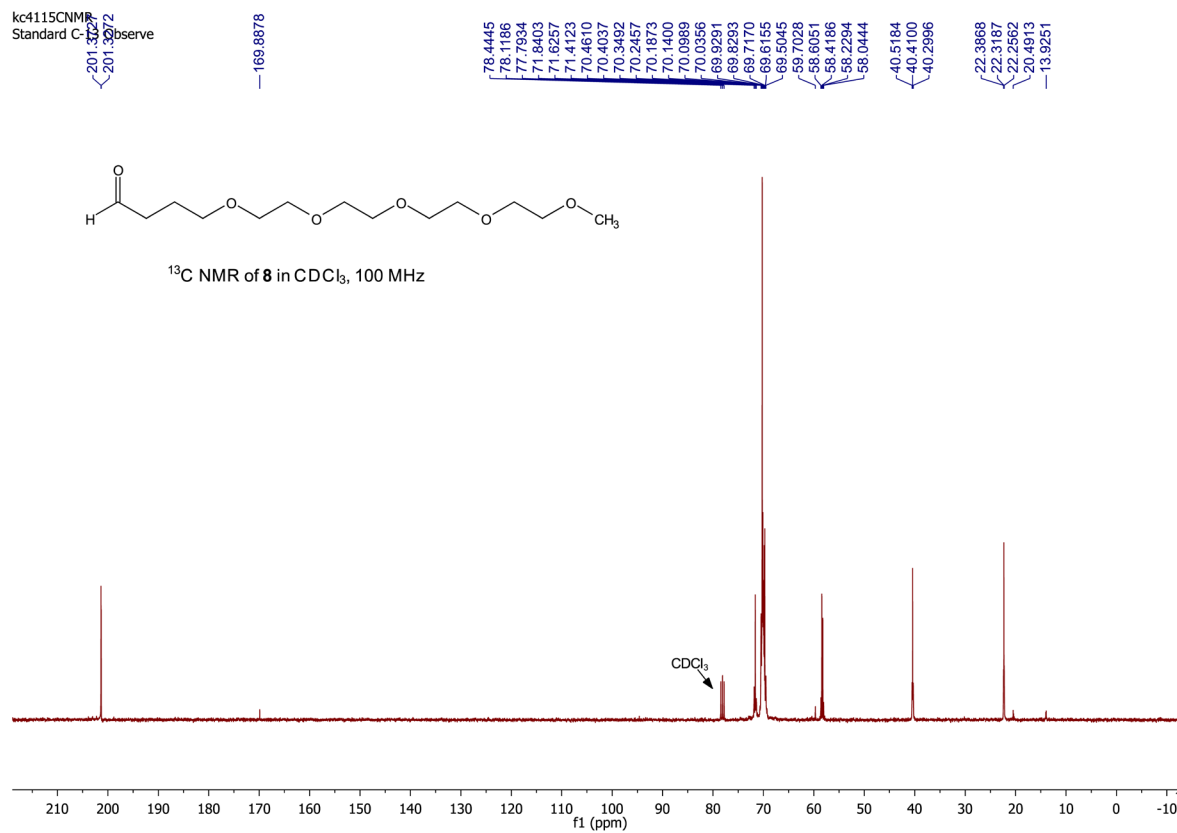
Email: shifang@mtu.edu

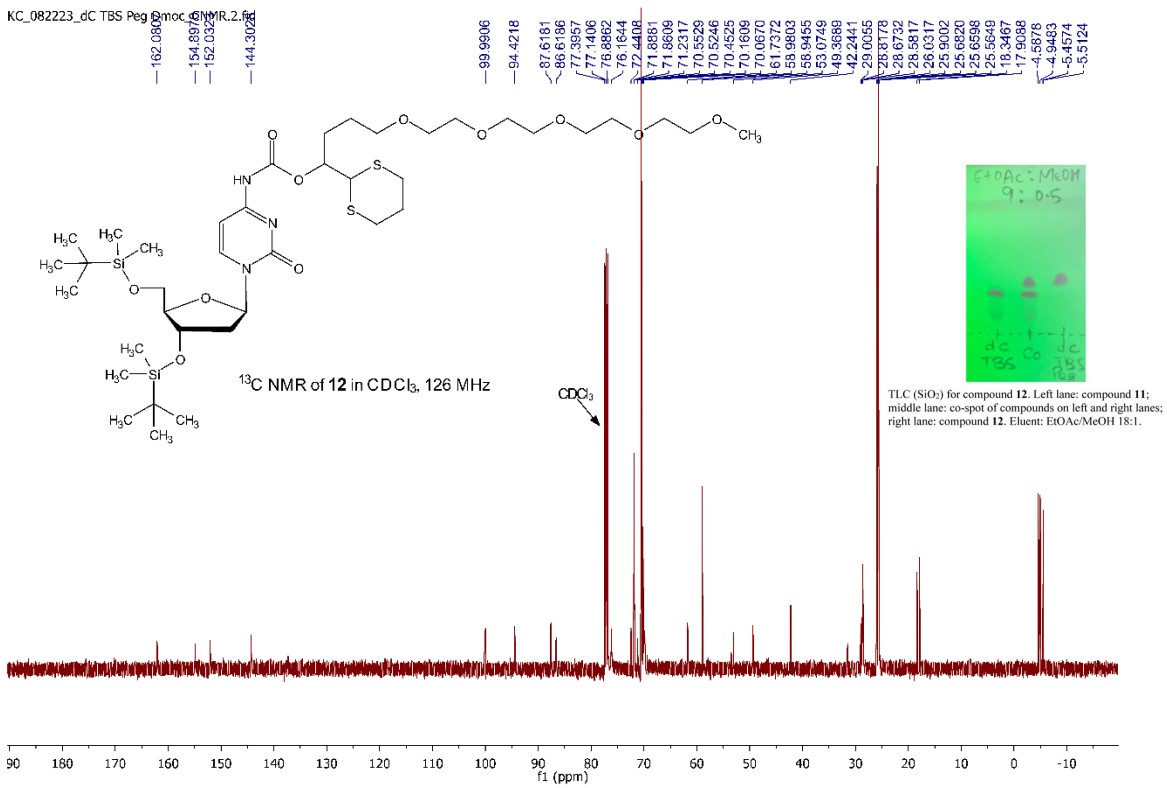
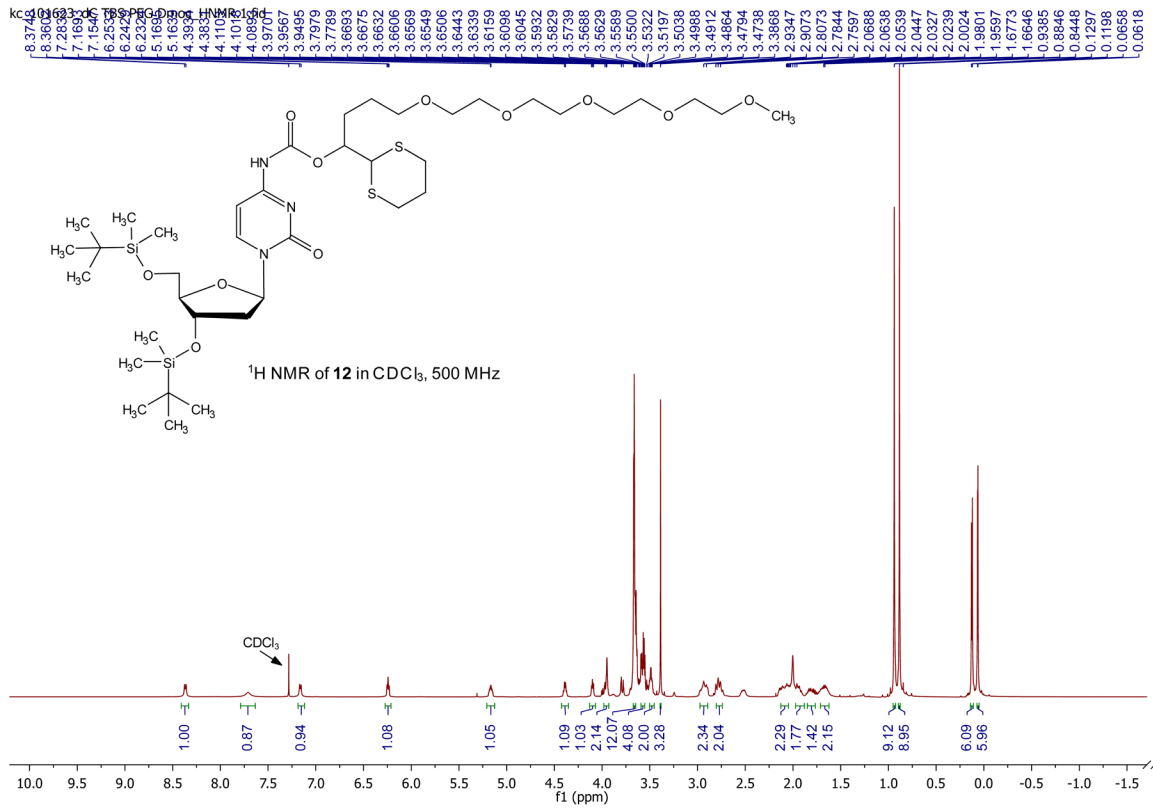
Images of ^1H , ^{13}C and ^{31}P NMR Spectra and TLC of New Compounds

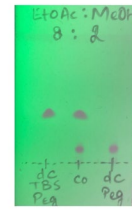
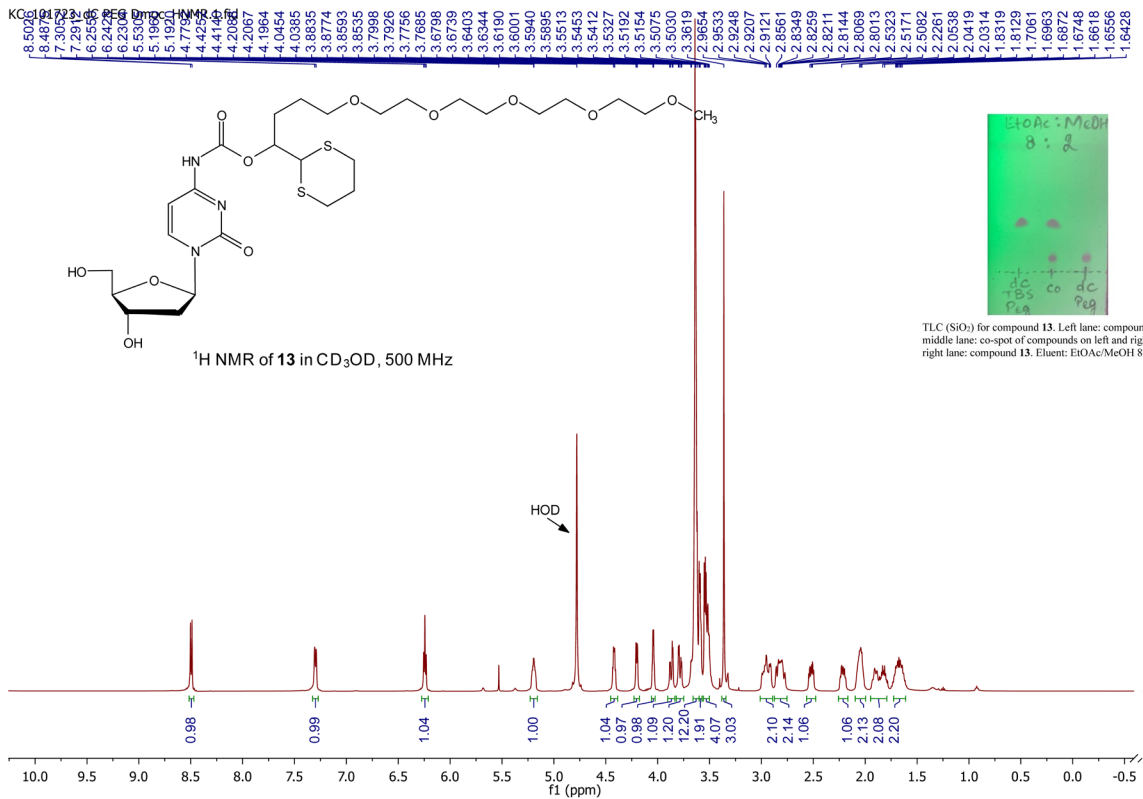
kc4115HNMR
Standard H-1 Observe



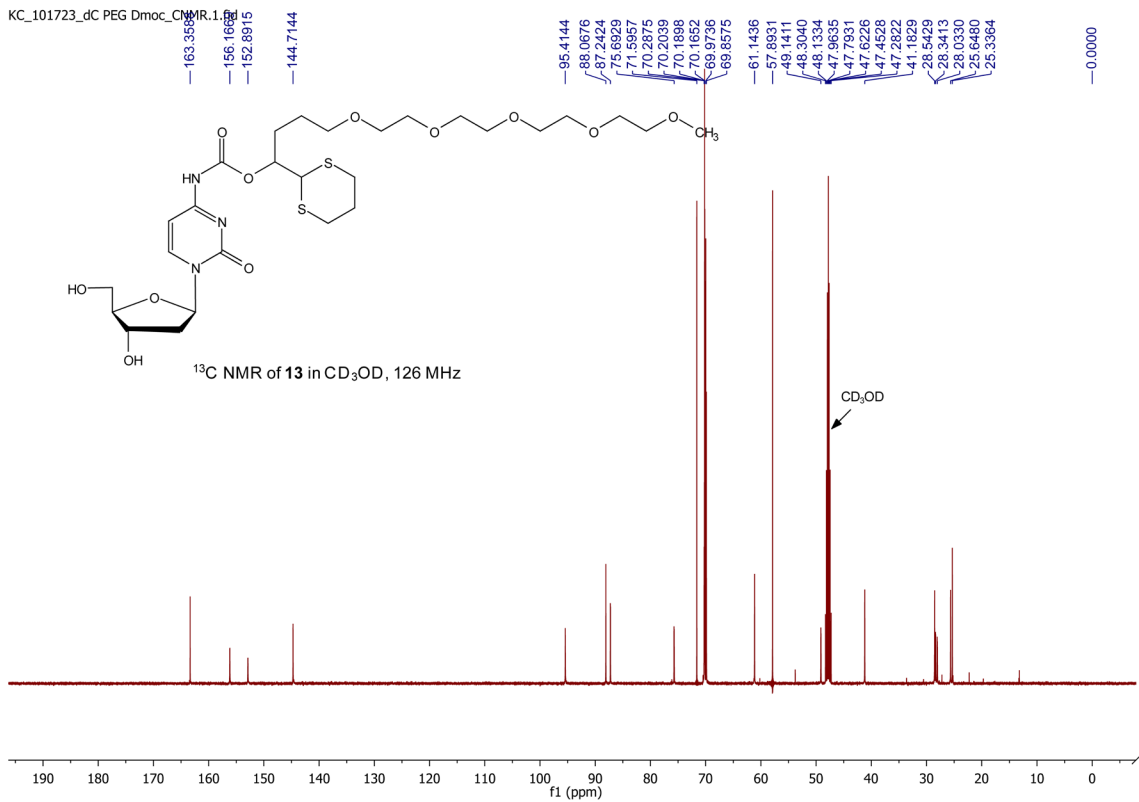
kc4115CNMR
Standard C-13 Observe

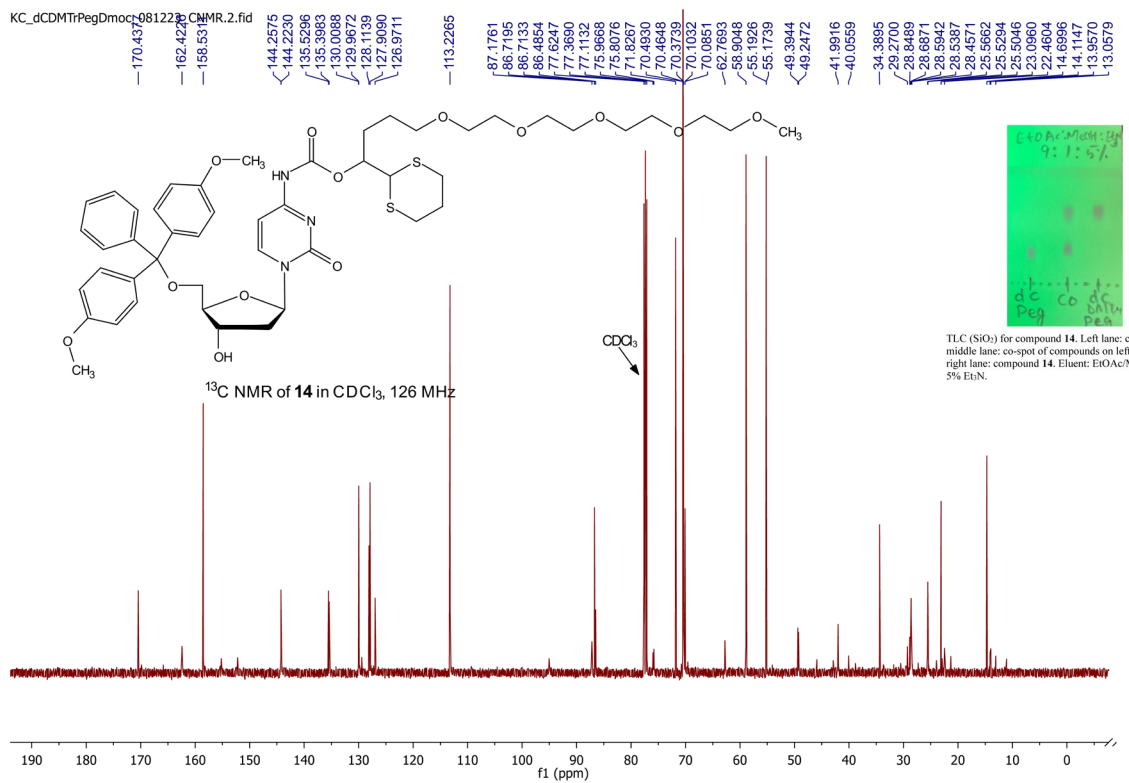
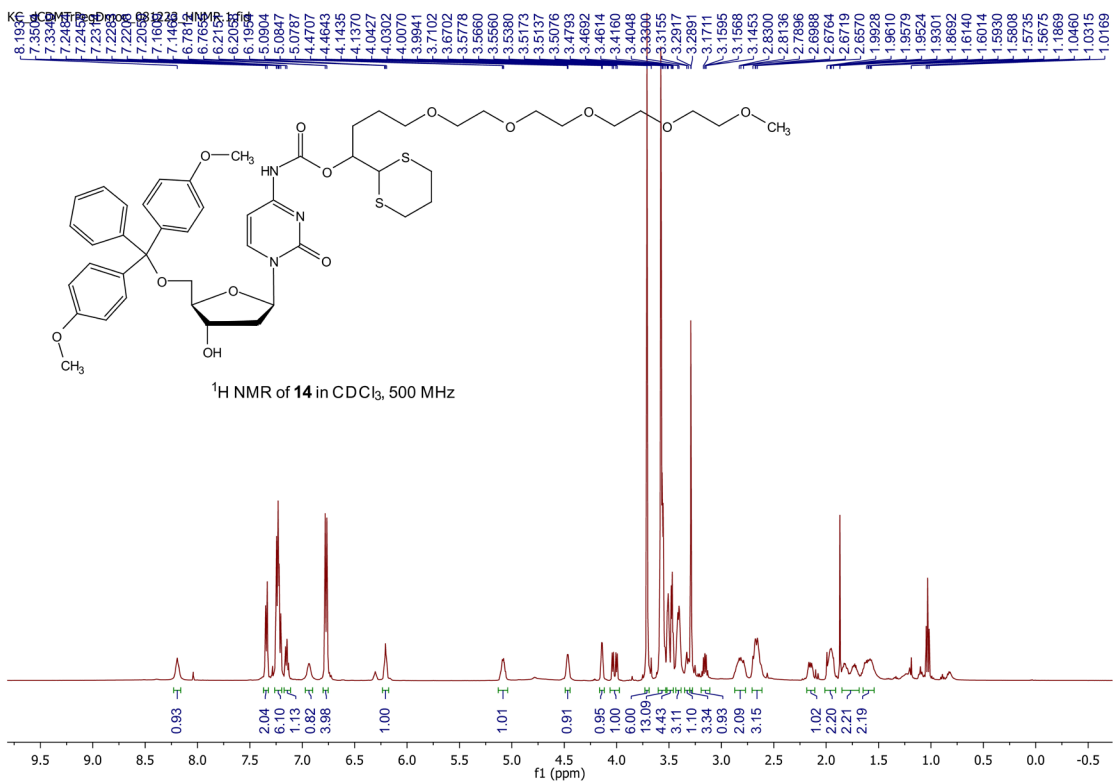


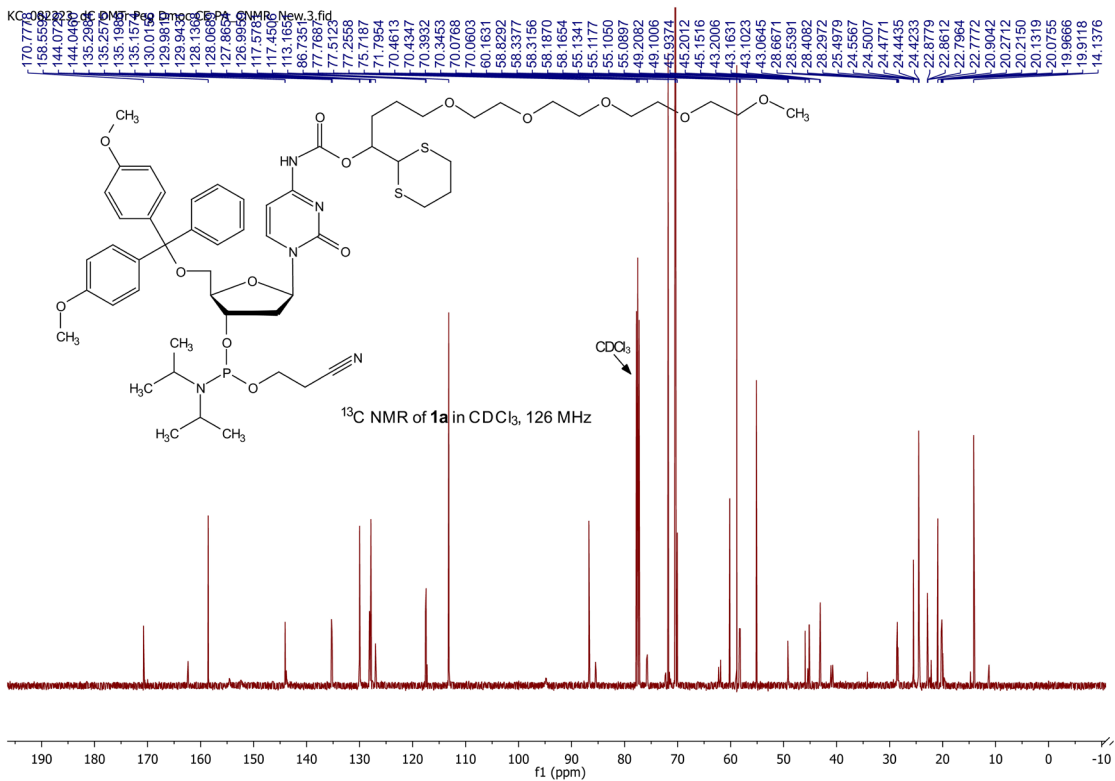
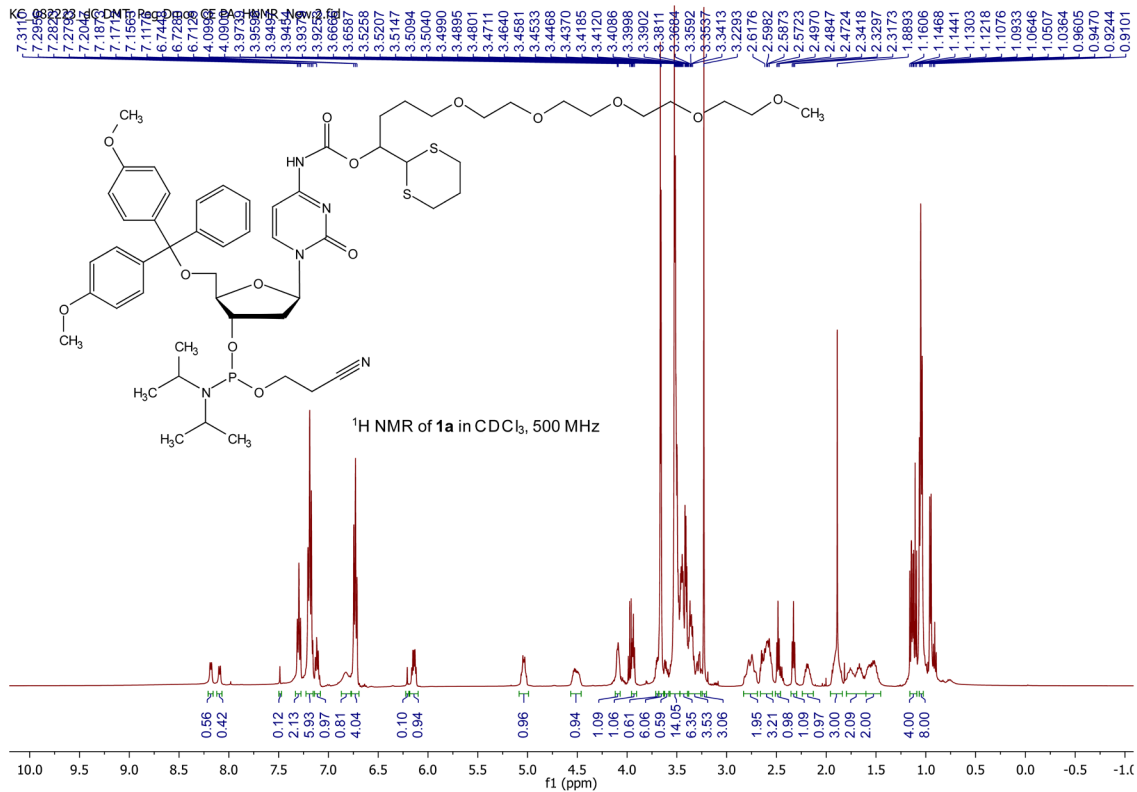




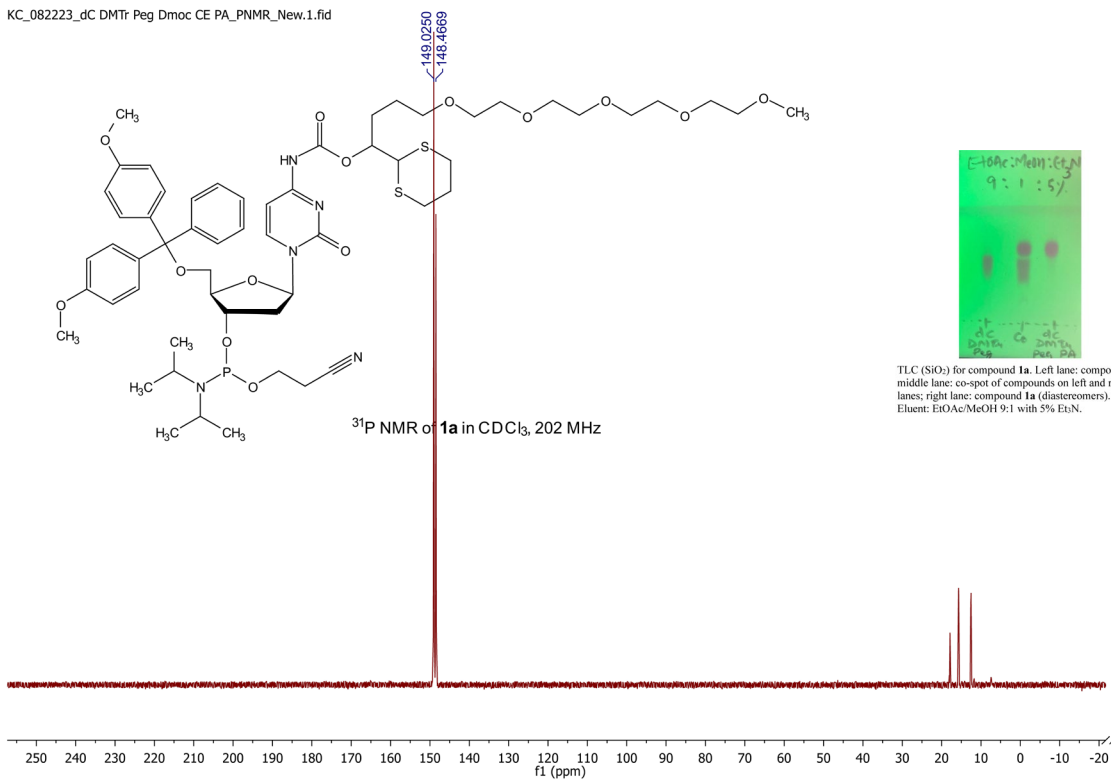
TLC (SiO₂) for compound 13. Left lane: compound 12; middle lane: co-spot of compounds on left and right lanes; right lane: compound 13. Eluent: EtOAc/MeOH 8:2.



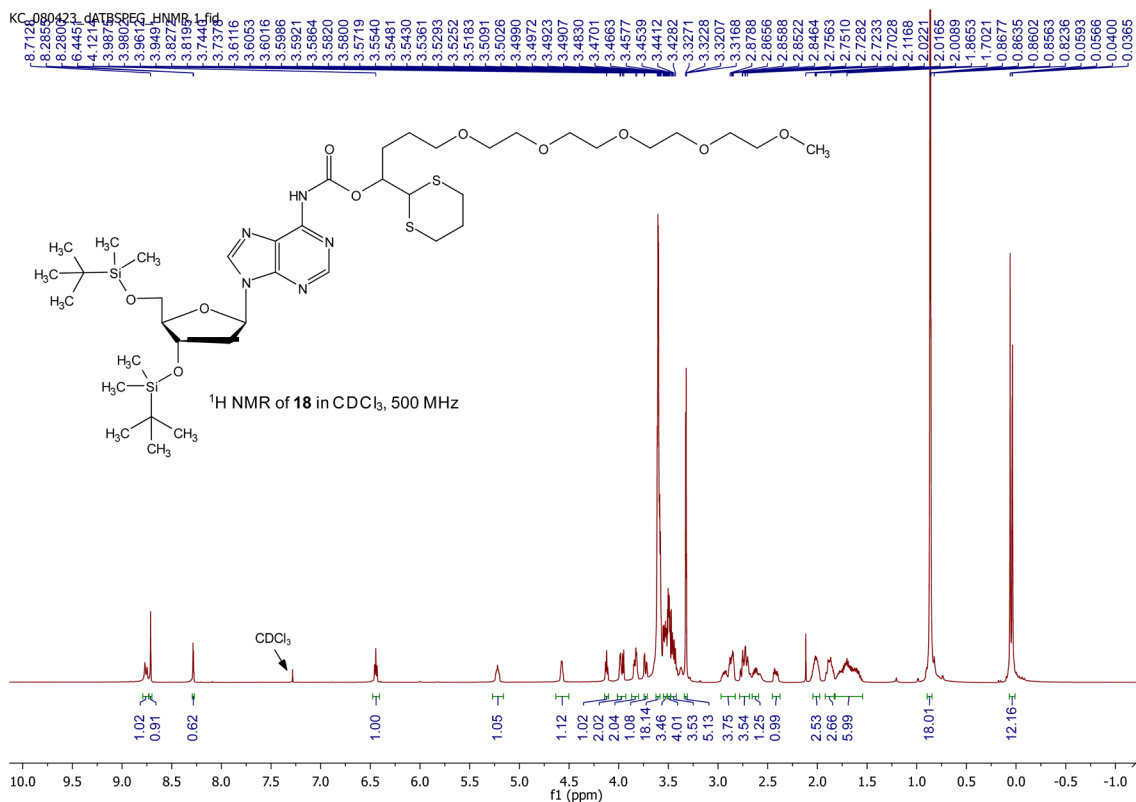


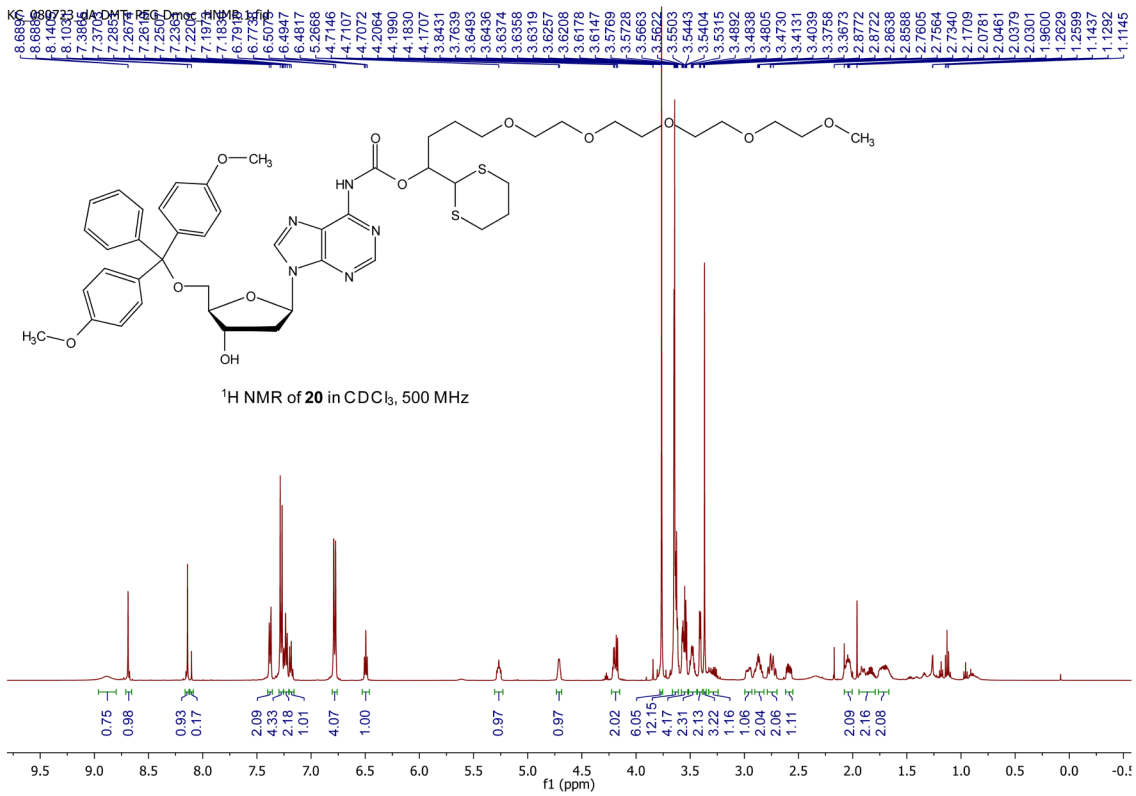
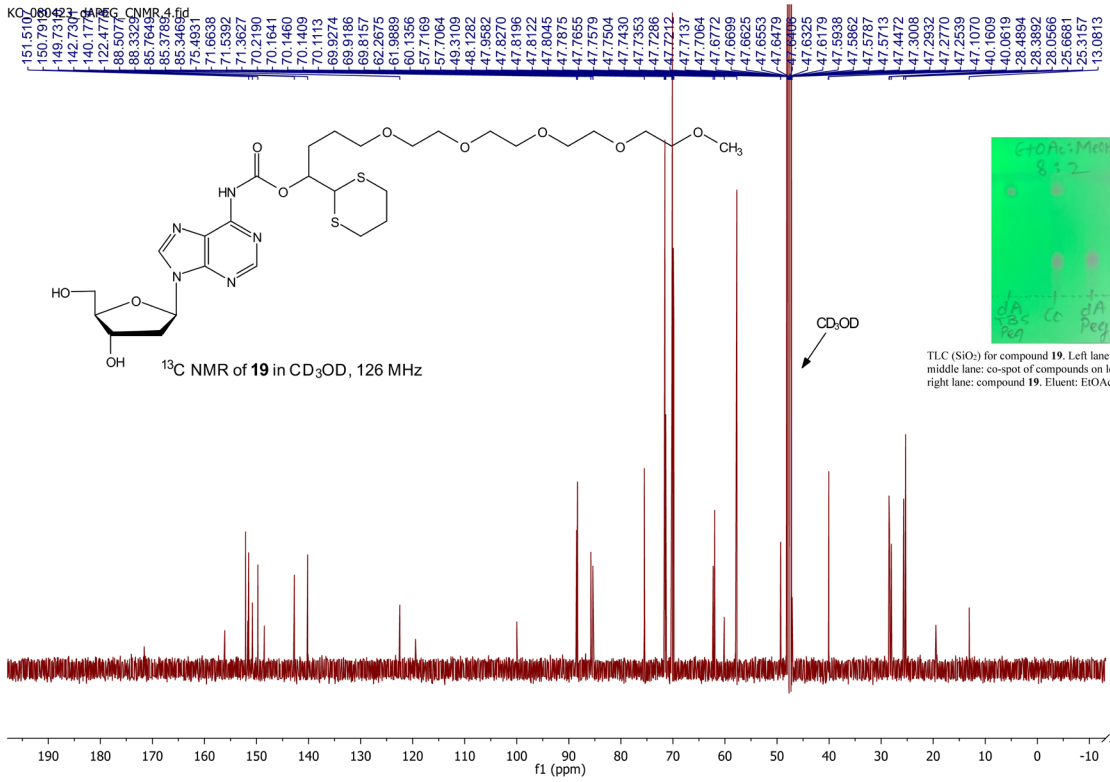


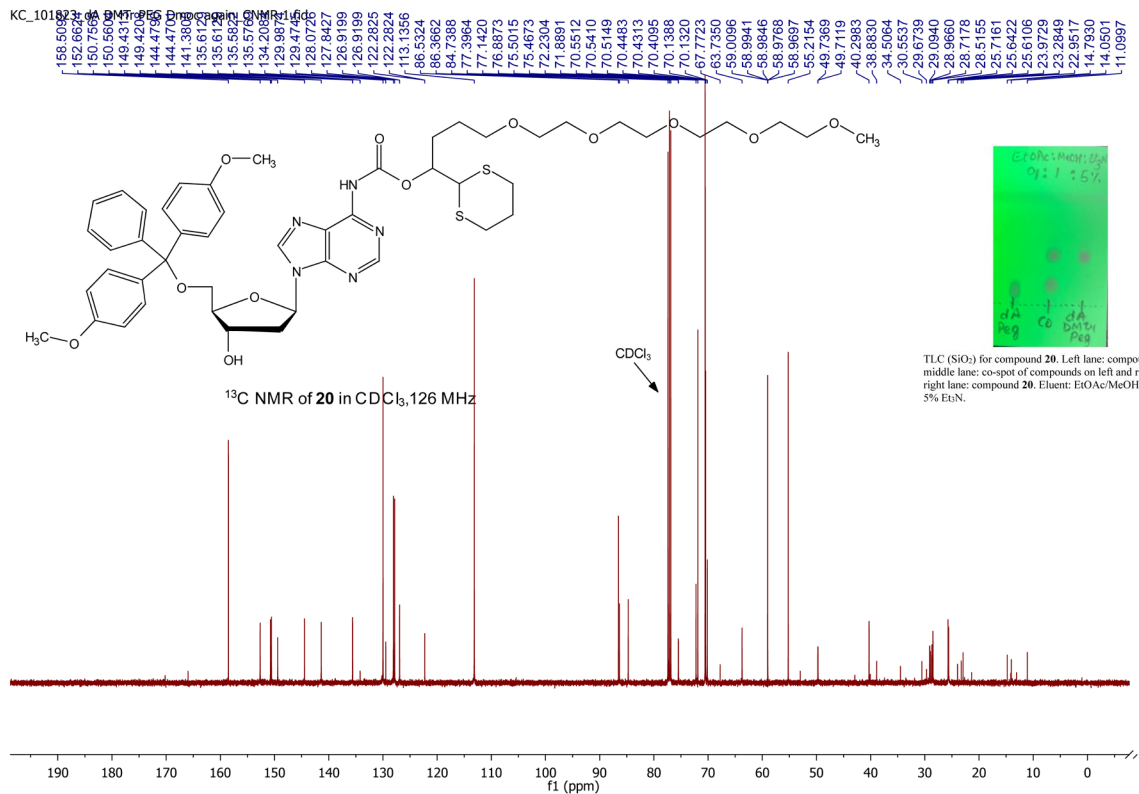
KC_082223_dC DMTr Peg Dmoc CE PA_PNMR_New.1.fid



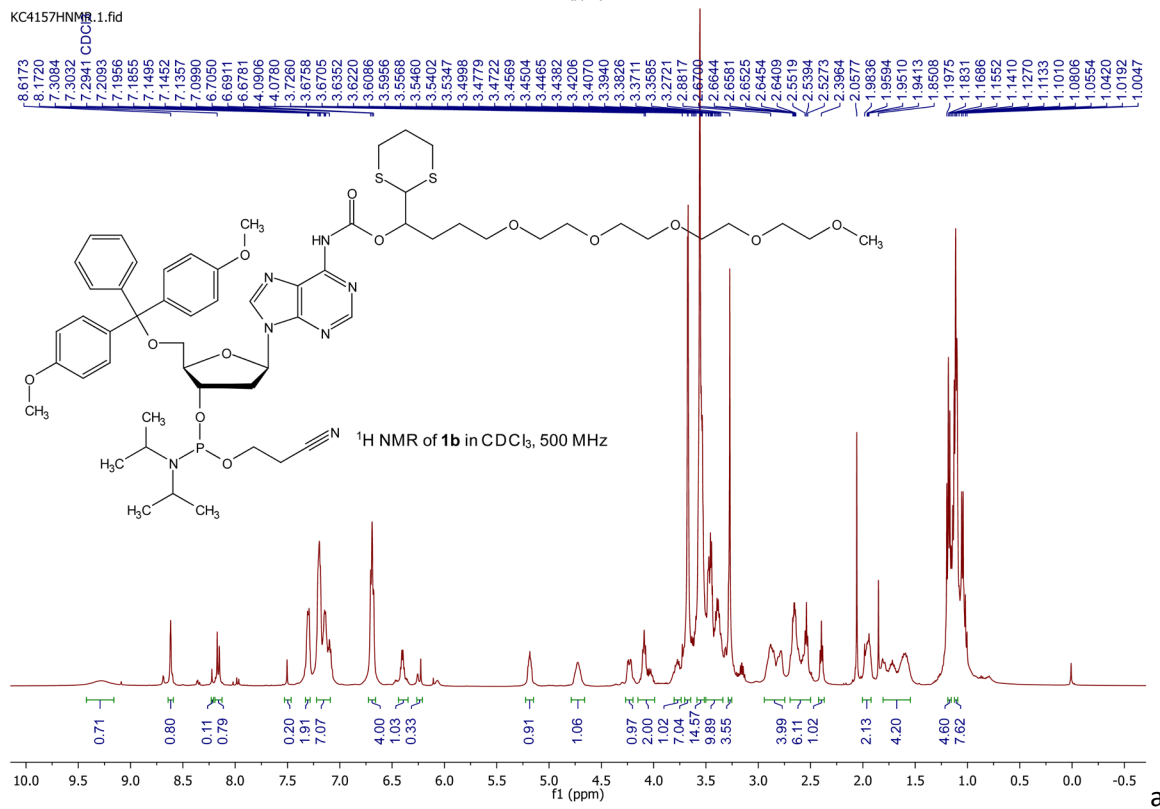
TLC (SiO₂) for compound **1a**. Left lane: compound **14**; middle lane: co-spot of compounds on left and right lanes; right lane: compound **1a** (diastereomers). Eluent: EtOAc/MeOH 9:1 with 5% Et₃N.



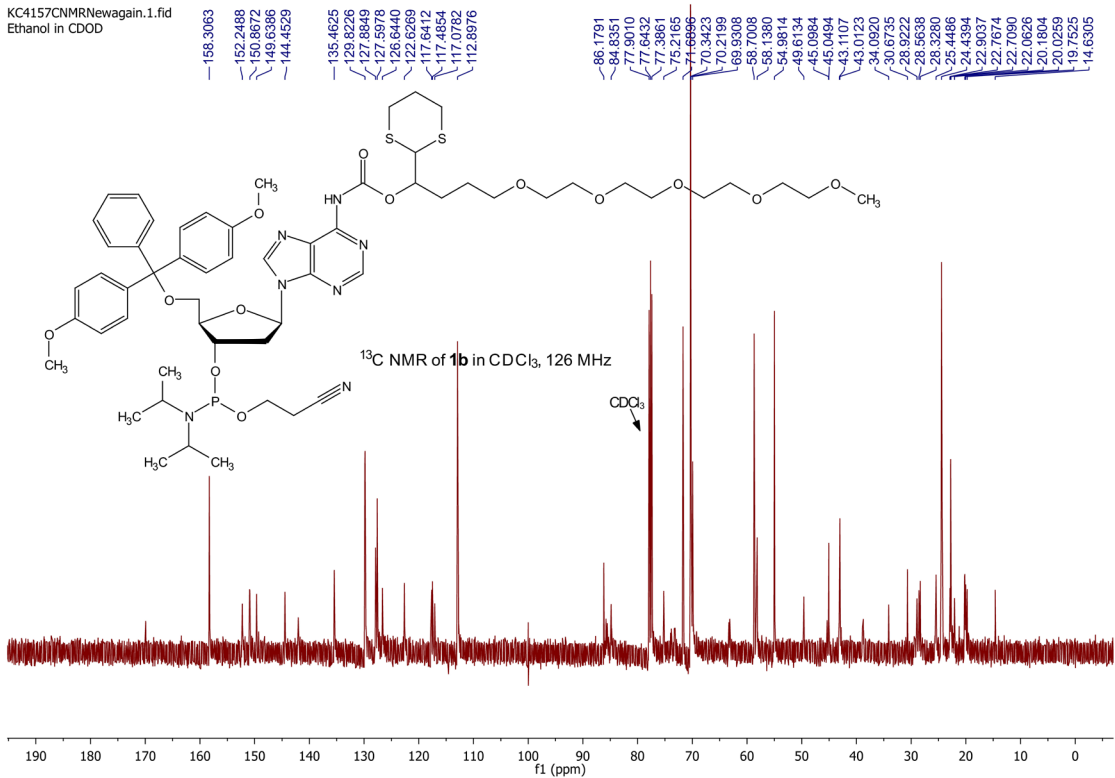




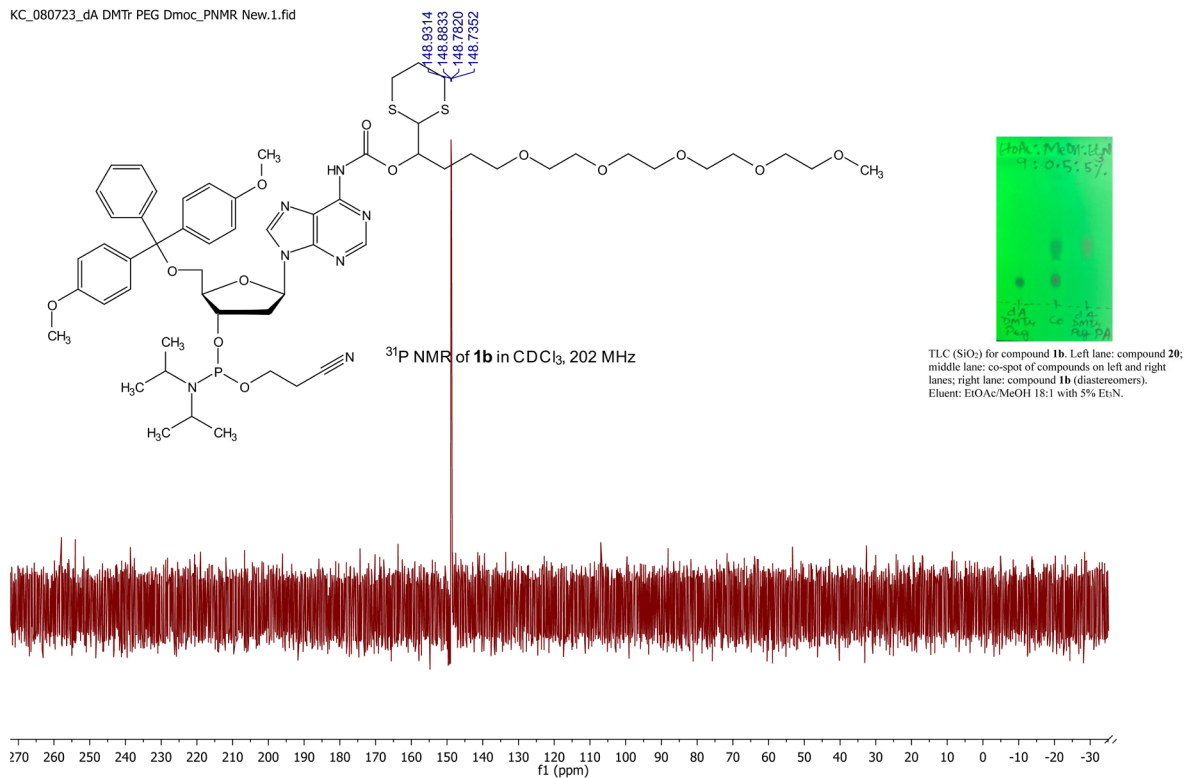
TLC (SiO₂) for compound **20**. Left lane: compound **19**; middle lane: co-spot of compounds on left and right lanes; right lane: compound **20**. Eluent: EtOAc/MeOH 9:1 with 5% EtN.

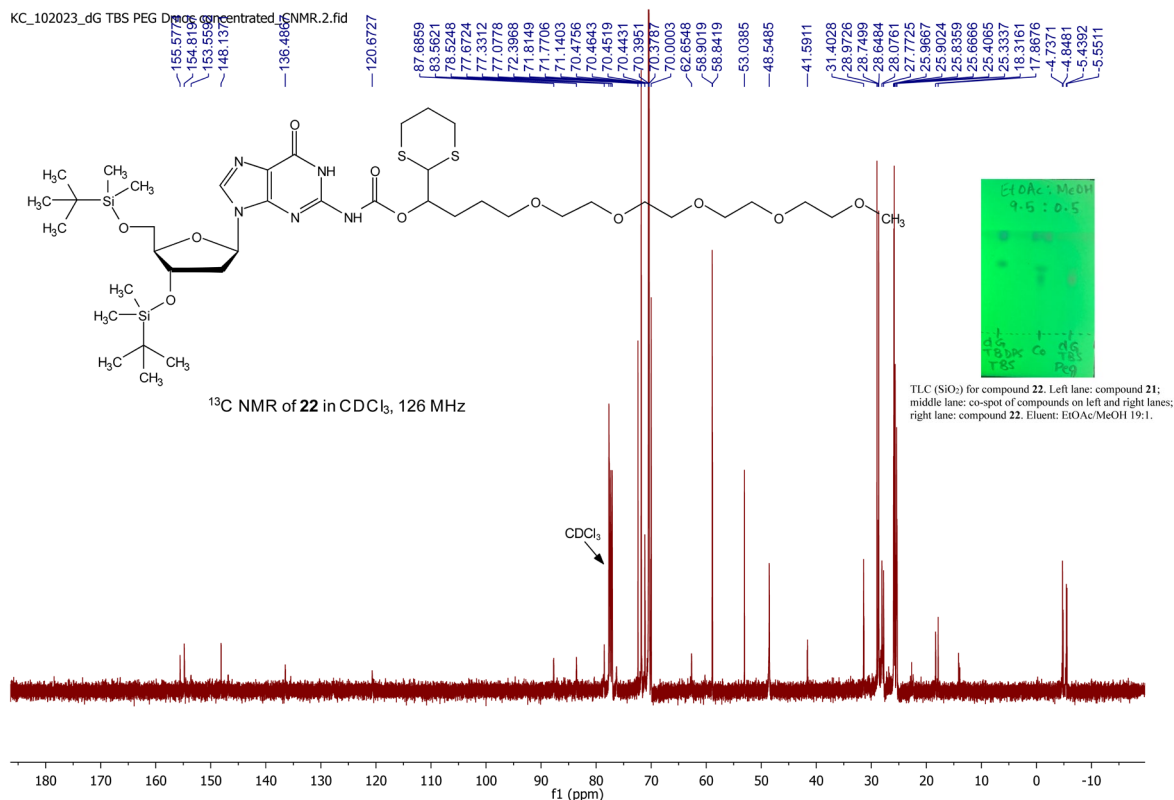
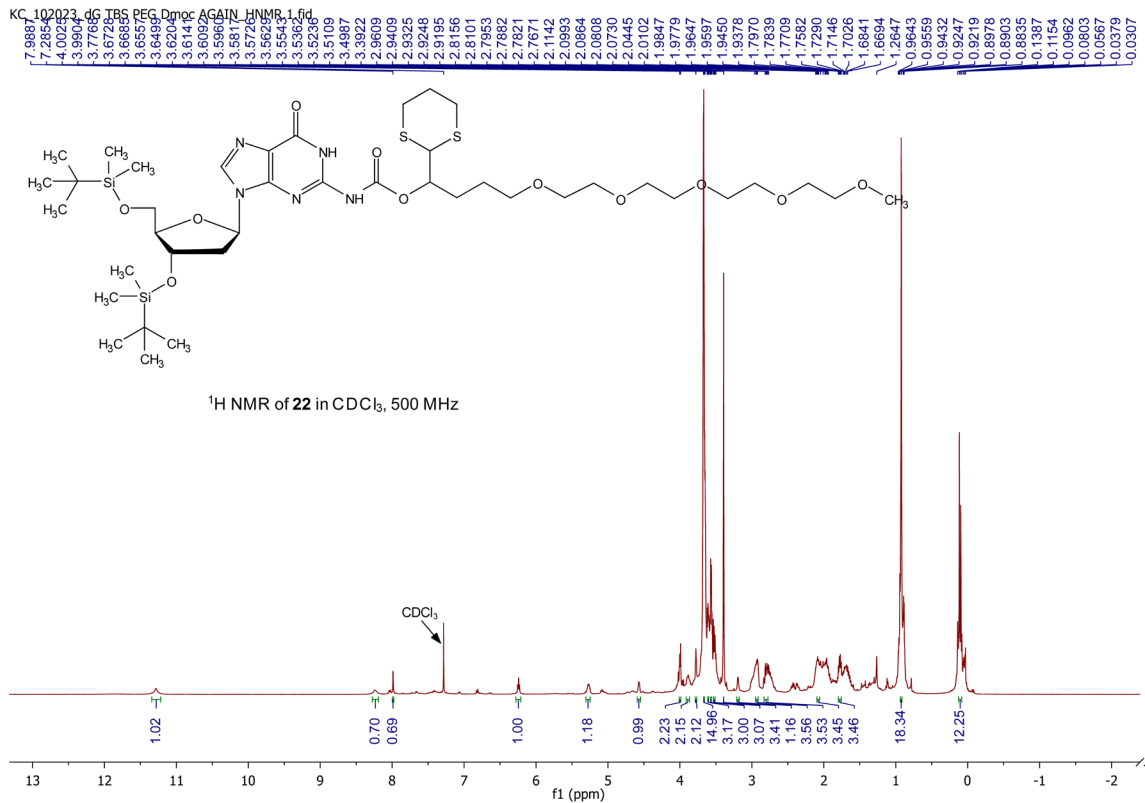


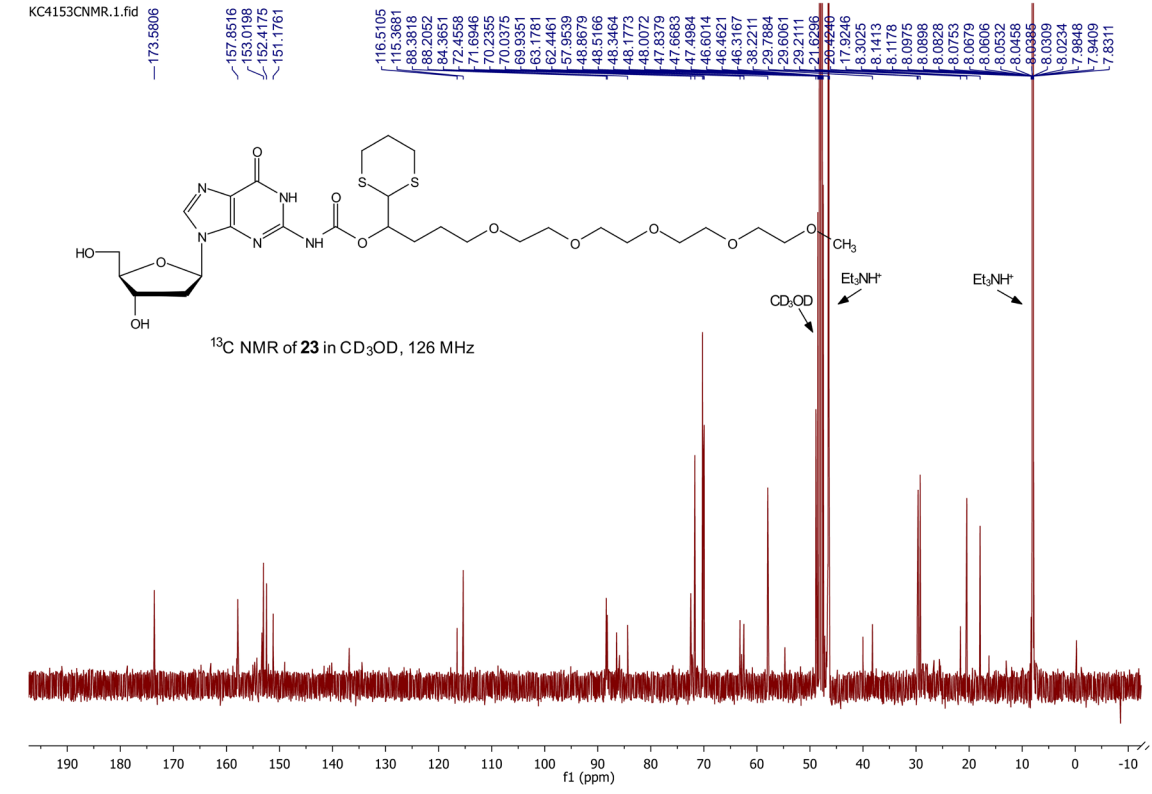
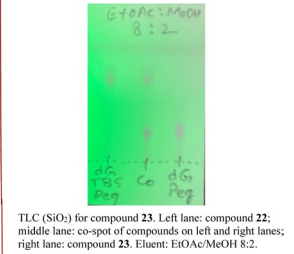
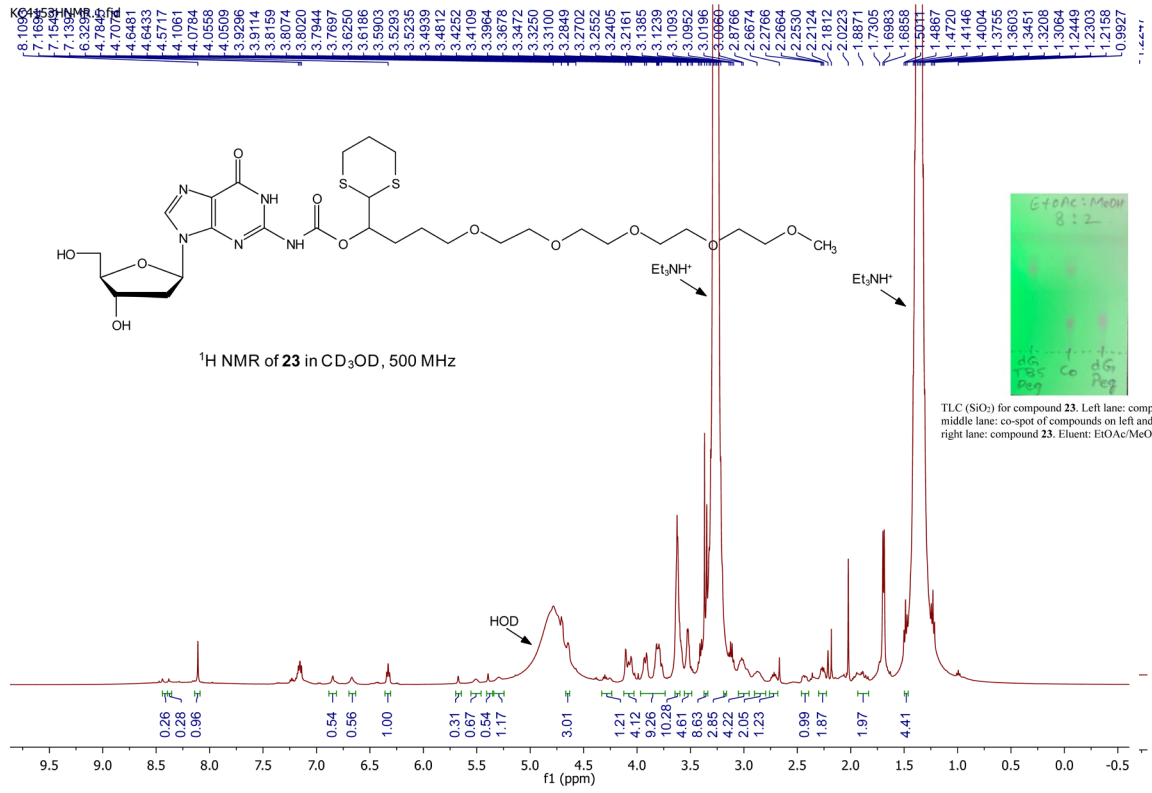
KC4157CNMRNewagain.1.fid
Ethanol in CDOD

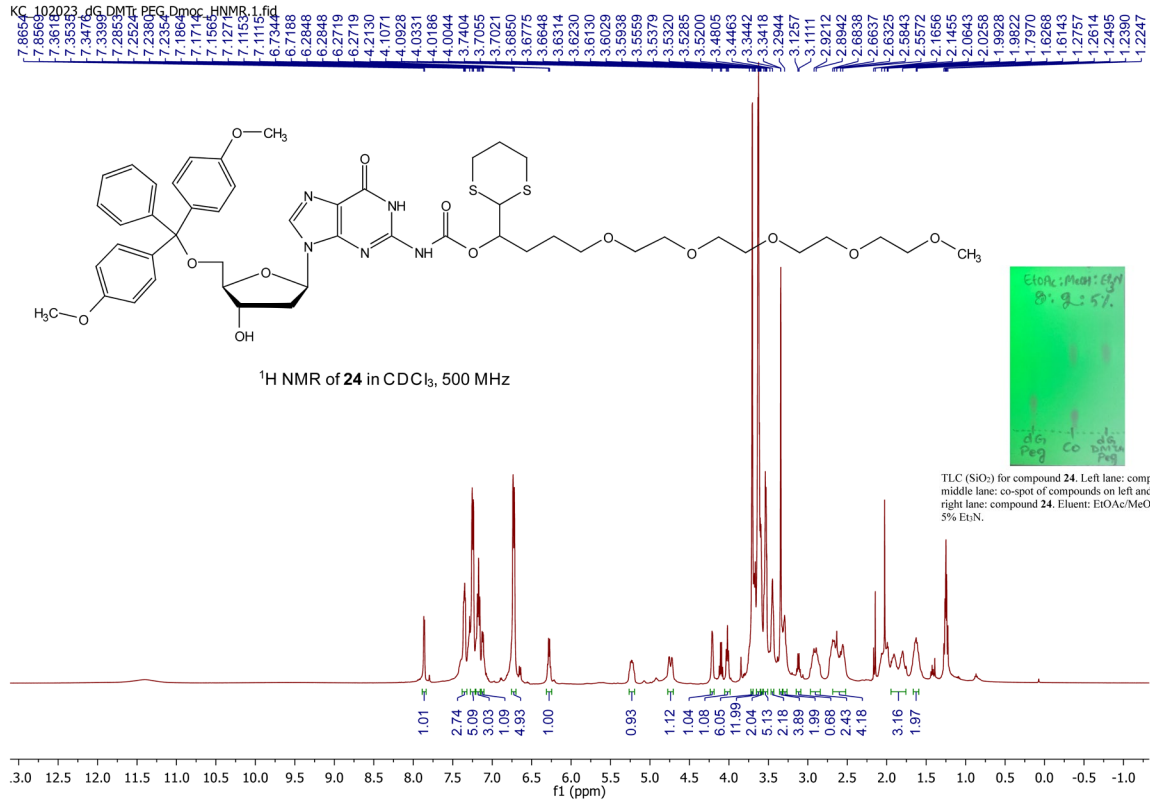


KC_080723_da DMTri PEG Dmoc_PNMR New.1.fid









TLC (SiO₂) for compound **24**. Left lane: compound **23**; middle lane: co-spot of compounds on left and right lanes; right lane: compound **24**. Eluent: EtOAc/MeOH 8:2 with 5% Et₃N.

