

10-28-76 Adduct Preparation -

Attempt to Recover More Adduct From DNA Pellet by DMF Extraction

Introduction: The adduct has low solubility in most aqueous or organic solvents tested. This may be a limiting factor in determining the eff. with which the adduct is solubilized by 10% MeOH after lyophilization. If there is pure adduct at that stage that doesn't go into solution, it may be solubilized by hot DMF, which we found yesterday to be a good solvent for the adduct.

- Procedure (by P. Donahue)
 - take adduct pellets and combine in poly allomer tube in ~5ml DMF
 - heat with tap water
 - centrifuge
 - analyze 100 μ l of SN - count
 - HPLC 25 μ l \rightarrow

HPLC Results - peak \approx 5 units \times 0.1 \Rightarrow not much adduct.

10-28-76 Discussion with D. Trafficanti about ADDUCT NMR

We have \approx 2⁺ mg of adduct in crystalline form, so we discussed the possibility of getting a fourier-transform NMR \S with D. Trafficanti - he will run it himself next thursday.

10-28-76 Solubility of Adduct in DMSO

- not v. sol. at hot tap H₂O Ts over 15 min
- went in within 30 sec. at 90°C and did not re ppt at refig temperatures,