4/21/76 Guanine Chromatography under RPC Conditions

Purpose: To get additional information on the base-pent of the adduct. A method will be developed using TLC and a reversed phase column.

10% Methanol (isocratic)

Add 100 µl of PCA hydrolysate.

4/21/76 Hydrochloric Acid Hydrolysis of Peak 1

Purpose: to take

\[\text{adduct} \rightarrow \text{base + dihydrodiol} \rightarrow \text{4.5 mg DNA} \rightarrow \text{LC}\]

- The sample of 4 ml JE-1 which Bob Cog had used to isolate peak 1 yesterday was conc. to ~diynew (sample a little wet).
- Add 0.5 ml ~0.1 N HCl
- Heat at 90-100 °C for 60 min (water bath)
- Remove 0.2 ml (by syringe) and add to PS vial
- Freeze in dry ice-acetone and freeze-dry the HCl
- Add 0.40 ml H2O - dissolves quickly
- Submit 0.05 ml (50 µl) to HPLC on DC-4A column

Results: Facing page

Possibly these conditions weren't severe enough to liberate Guanine.