

Subject

Instructor's Name

^{ed}
Attempt Formation of a Methoxy-derivative of Adduct.

9/16/76 The adduct should have a 3-OH group on the aflatoxin moiety. I will try to form the -O-CH₃ derivative.

Procedure

- place 50 μ l of "Adduct Stockpile" = adduct which has been ~~not~~ collected from flask washings, etc. over the past month.
- peak at 25 min $\sim$ 80% x 0.01 AUFs (365 nm)
 - peak was a little broader than usual
- add 100 μ l BF₃/MeOH (purch. 1973 by Roger Keefe - there was sediment in the ampoule)
- heat at 50-100°C for 15 min (very rough)
- cool overnight $\rightarrow$ refrigerator
- evaporate to $\sim$ 10 μ l in vacuo - sticky residue
- reconstitute with 50 μ l $\square$ 80% MeOH.
- inject entire sample

9-17-76 Results: Chromatogram showed alot of 254-absorbing crud - and some early-eluting 365. A very sharp peak was observed $\sim$ 0.4 min earlier than the adduct under these conditions - not known whether this compound is different from the adduct.