

Skid & slight impurity!

Transparency	SL-2-139 a	F	Admex	Chemistry
trial HG react + STD	SL-2-139 b	F	CXCL3	Chemistry
" "	SL-2-139 c	F	CXCL3	Chemistry
" "	SL-2-139 d	F	CXCL3	"

worked some on VM related BS - hopefully I can filter & remove solvent from my best HG run - I also need to make some stock solids for p225 I will run next week

(~ 12pm - 5pm 8:30pm - 11pm)

6/22/03

Work - I filtered my HG - started freezing too soon so I got the beer for the solvent - Fucking piece of German shit glassware starts a major source of cracks - I barely was able to salvage the material - it was impossible to complete out

They should change the name from Schott to Shit - This stuff is the worst glassware I've ever had to work with, period! - Even the change shit is better.

Anyway - I pumped the material down the best that I could & started recrystallizing it from CH2Cl2/Hexane.

cleaned glassware as usual

(~ 2pm - 11pm)

6/23/03

get May will try to take credit

Made up the following scheme for a suspension p221 of IR (I'll target 20°C) - note that using these types of water systems (alcohols/H2O & salts/H2O) for such p225 is my idea - No one had suggested using these earlier to me.

SIGNATURE _____ DATE _____ 20
READ AND UNDERSTOOD _____ DATE _____ 20

140

PROJECT NAME _____

NOTEBOOK NO. _____

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6/23/03 ↑

Mercural / H₂O soln:

~ 68g Mercural combined with 22g H₂O — according to CRC H₂O ~ 0.30°C

LiCl / NaCl / H₂O soln:

~ 23g LiCl, ~ 1.2g NaCl, ~ 75.8g H₂O combined up ~ 0.77°C
According to Ahepov et al.

Note — This is my idea to

try suspension
pzn of IR

with HG — I believe it might work. If it does, emission pzn will be even better than today — but really suspension is the way to go since product is easy to separate

My plan will be to pzn S.S. IR (@ -78°C) in about 10ml hexane in say a 50ml or each aqueous stock soln — what I want to do is control PT & control (pzn mixtures will of course be necessary) & use HG dissolved in C₇H₁₄ as before (essentially keep as many experimental parameters as unchanged as possible)

Took HG pzn & concentrated Mrs Stahl

N 9:40 AM - Spu ~ 7:30 PM ~ 11 PM

product is easy to separate

6/24/03

Raw NMR of mercury timer S-2-140-a F taken at Chouby

Start at 01 of today helping Kevin

Made 10 same stock solns —

HG stock in H₂O

took 0.4323g & dissolved in C₇H₁₄ to make 1ml soln Mrs Per (5x10⁻⁵ ml)

0.04180g used to inject 0.969 ml

Cont. - a stock in hexane

took 0.103g & dissolved in C₇H₁₄ to make 2ml soln Mrs Per
5x10⁻⁶ mole (13x10⁻⁶ g) used to inject 0.688 ml

SIGNATURE Steve Kelly
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DATE 6/24 20 03
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