DUSIKATE DERIVATY

DITROSLOUCE NINY

- NO2 miliokup.

2 alekanu: SR - miliace - nix alekany

2 alemalie: SE - -11- mix alomaty, - NO2 fe substituent 11. th.

2 alomalie: R-H + HO-NO2 lead; R-NO2 + H2O meta

Ob. miliace: R-H + HO-NO2 lead; R-NO2 + H2O meta

HNO3

REAKCE NITROSLOVE: fejick redukce na aminy:

REAKCE NITROSLOVE: P-NH2 + 2 H2O

R-NH2 + 3 H2 - R-NH2 + 2 H2O

R-NH2 - CH3 - CH3 - CH3 - CH3 - CH3

M: CH3 - CH-CH2-CHB

Tail Ot. NH2

CH3-CH-CH2-CH3

CH3-CH-CH2-CH3

(NH2)

(NH2)

(NH2)

(NH2)

(NH2)

(AH2)

(AH2) <u>Yaslufie</u>: CH3 N2, C2H5 N2 ... rocfourtédla M2 <u>nihobenken</u>; olejovita kap, karcinogen) Nomi to horken mardlich. Vyroba barviv, pomi to horken plastie, rospoustedlo... TNT = Minitio Soluen = Mitol, ekvivalent pro vypocet vicinku jaderných sovaní. Vybečínica OH TNF = tuniteoferol = b. fikrova (horby)

M2

CCl3 NO2 = Michlornethan = Chlorfikrin, BCHL-plyn

Richard = Michlornethan = Glevellinethat

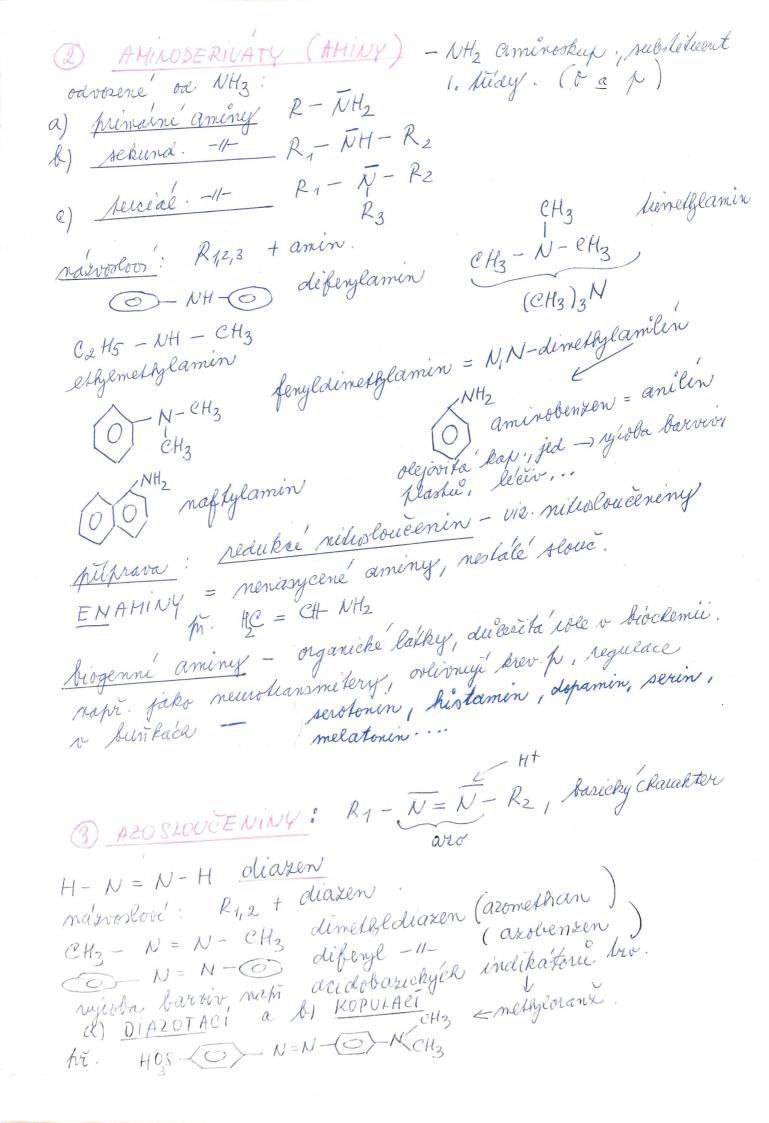
nikinggeerin = Glevellinethat

mikinggeerin = mikinee (esterifikate)

HC - 0 - NO2 (dynamik mikinee (esterifikate)

HC - 0 - NO2 prepour V.

HC - 0 - NO2



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HALDGENDERIVATY
 Ve sue nolekule obalejí kalogen (y)
 priprava: SR - halogenace, vix alkany napr. chlorace
                                                   -X-seedst. 1.th.
   AE - halogenæe, vix nenasycené RH
SE - falogenæe, vix aromáty
                                                                 boat
 Al. reakce halogenderivatio SNU - nukleofilne
               C2 H5 Bn + NaI -7 C2 H5 I + NaBh
    SNU: H3C-CH-CH2-CH3 + NAOH -> H3C-CH-CH2 CH3 + NABN
   SNU: C2H5I + C2H5ONa > C2H5-O-C2H5 + NaI
ethanolat soony diethylether
  Fashefei: CH3Cl methellouid, methylacni cividlo chCl3 chloroform, nakiolix. flyn.
dieklordifluorethylen CCl2 = CF2 Lasteipee freonee (osonosfera)
tricklorethylen CHCl = CCl2 rosp. kvamé jako "eikuli", jed.
   + Aeflon - Joyner: Ct2 = Ct2 -> ECt2-Ct2 In
       reopren - folgmer 42 = C-CH=CH -> ECH-C=CH CHIM
      CH2=CHCl vinylckloud, Johner: ECH2-CH In PVC
     neri falogeneer. fatii i nedralne svame Cl
                          -é-Esabaxaro u vas 1975
CCl3 vliv ra foliavne ritezec
                                       1948 N.C. ( Sycar )
      BCHL: yfeut, levoisit, sarin (jed. Lakofové flyny)
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