WORK REQUEST

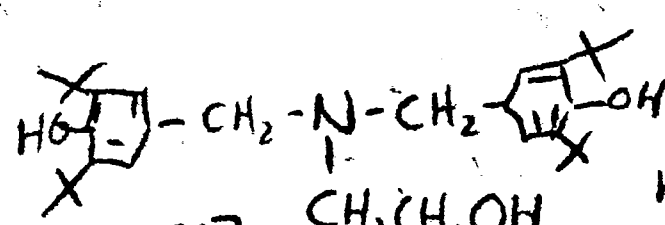
TO M.O. Nakey

APPLIED SCIENCES
RESEARCH CENTER LABORATORIES
MONSANTO INDUSTRIAL CHEMICALS CO.

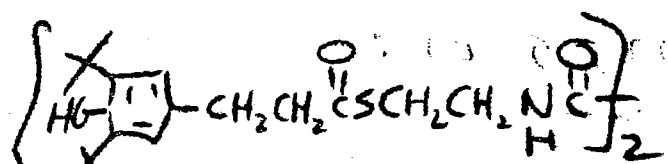
WORK REQUESTED

Mol. wt. determination by mass spect. on 3 samples. I believe these cpds. to be:

REASON/COMMENTS

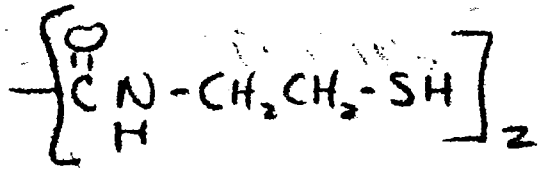
(1) 

1135507 mw = 498

(2) 

mw = 728

1177505-ES

(3) 

mw = 208

SAMPLE IDENTIFICATION

1177505-SH

DSW 297896

Rick Husick
REQUESTER

BLDG. Q LAB./OFFICE 209

MAIL ZONE Q2C

PHONE NUMBER 4-4824

PRODUCT ~~Phr~~ Explor. Antioxidant

BUSINESS GROUP Plas. R+D

DATE SUBMITTED 2-25-77

DATE NEEDED BY 3-5-77

JOB NUMBER 47000760.7104 76217

SAMPLE DISPOSAL ☒ RETURN ☐ DISCARD

R-108 REV. 7-72

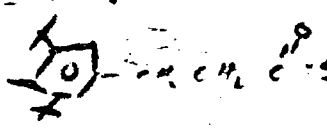
(SUBMIT WHITE, YELLOW AND GREEN COPIES)

STLCOPCB4067807

REPORT SHEET

Samples were run by both electron ionization (EI) and chemical ionization (CI) solids probe mass spec.

Sample 1135507: In CI, the spectrum contains ions for the MW (497) and the  fragment, giving good confirmation of structure. The EI spectrum shows no parent ion but fragmentation is consistent.

Sample 1177505-ES: No parent ion in EI or CI. Main ion in CI is m/c 337 (). Main ion in EI is ~~294~~ 219 ().

Sample 1177505-HS: The CI mass spectra contains the parent ion, plus an ion for the loss of water. In the EI mode there is no parent ion. The main ions were $HS-CH_2-CH_2^+$ and the half molecule m/c -104.

DSW 297897

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GC MS

SIGNATURE Robert M. Kelly, II

DATE 3/4/77

NOTE BOOK

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