



4-30-93

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

APR 30 1993

**MEMORANDUM:** BIOMONITORING DATA OBTAINED FROM WORKERS EXPOSED TO VINCLOZOLIN (RONILAN DF, EPA Reg. No. 7969-85) AT SITES IN CANADA.

**TO:** Karl Baetke, Ph. D., Branch Chief  
David Anderson, Ph. D., Toxicologist (reviewer)  
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**FROM:** Shanaz Bacchus, Chemist *Shanaz Bacchus 4/26/93*  
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**THRU:** *Alan Nielsen*  
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Larry Dorsey, Branch Chief *Larry Dorsey*  
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David Anderson and I have discussed the biomonitoring data submitted by BASF in support of worker exposure to Ronilan DF. Male workers were exposed to Ronilan DF in Canada while treating canola at 0.5 kg ai/hectare. Apparently a metabolite, BF352-25, was measured in human urine. Since we are not sure whether this metabolite was characterized in the toxicology studies, we are sending you the submissions (MRID#s 424831-01, -02) so that you can look at the biomonitoring data. We need to know whether the metabolite has been well-characterized and if the data can be used to determine toxicological endpoints in humans. The registrant did not submit pharmacokinetic data to OREB.

After you have determined whether the study is useful or if more detailed characterization of the metabolite is required, we can discuss our approach to using the data to approximate a dose level. In the meanwhile, we will estimate the residues trapped by the dosimeters. If you need any additional information, do

call me at 305-7775 or send a message by ccMail. Thanks for collaborating with OREB on this study.

CC:

with attachment: David Anderson (MRID#s 424831-01, -02)

without attachment:

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