

Lerillard

MEMORANDUM

March 19, 1979

TO: Dr. R. S. Marmor
✓ Dr. H. J. Minnemeyer
Dr. J. R. Reid
Dr. H. S. Tong

FROM: M. S. Forte'

SUBJECT: Mutagenic Evaluation of Tur Compounds

All the Tur compounds were tested in the Ames test using the three Salmonella tester strains, TA1535, TA100, and TA98 which are responsive to both base pair and frame shift mutations. The dose level used in the assay for each compound was determined by a preliminary test evaluating the toxicity of the compound to the bacterial strains. Non-toxic, yet adequate doses were employed in all Ames tests. Each Tur compound was found to be non-mutagenic in all strains, with and without microsome, at the dose range given. Therefore, the compounds themselves and their metabolite(s), if any, are not mutagenic according to this test system.

<u>Compound</u>	<u>Reference #</u>	<u>Dose Level/Plate</u>
Tur 2	OR-38-24	12.5 - 100 mcg
Tur 5	OR-56-83	15 - 120 mcg
Tur 7	OR-56-25	2.5 - 20 mcg
Tur 8	OR-33-127	10 - 80 mcg
Tur 11	OR-56-29	125 - 1000 mcg
Tur 13	OR-39-23	125 - 1000 mcg
Tur 14	OR-43-66	12.5 - 100 mcg
Tur 15	OR-51-33	12.5 - 100 mcg
Tur 17	OR-43-49	125 - 1000 mcg
Tur 20	OR-56-53	125 - 1000 mcg
Tur 21	OR-51-139	12.5 - 100 mcg
Tur 23	OR-56-31	12.5 - 100 mcg
Tur 24	OR-43-118	6.25 - 50 mcg
Tur 25	OR-51-75	125 - 1000 mcg

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