

US EPA ARCHIVE DOCUMENT



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

JUN 7 1985

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Tilt® (Banner®), Protocol for Metabolism in the Mouse

TO: Henry Jacoby PM-21
Registration Division (TS-767)

FROM: Robert P. Zendzian PhD, Acting head
Review Section IV
Toxicology Branch
HED (TS-769) *6/6/85*

THROUGH: Theodore M. Farber PhD, Chief
Toxicology Branch *WdB*

Compound Tilt® (Banner®)

Tox Chem #323AA *EE*

Registration #100-617

Registrant Ciba-Geigy

Accession #257972

Action Requested

Review the following protocol for a special metabolism study of the compound in the mouse.

The Metabolism of [U-¹⁴C]-Phenyl CGA 64 250 in Mice After Pretreatment with Unlabeled CGA 64 250 R. Bessing & R. Loosli, Ciba-Geigy Agricultural Division, Project number 12RB01

Conclusion

In an oncogenic study of the compound in mice liver tumors were observed on males but not in females. The Agency has suggested that a metabolism study in mice may help in determining the mechanism of the oncogenic effect.

In general the protocol is acceptable but the following must be considered;

1. Since the effect occurred in only one sex the study should be performed in both sexes to look for sex related differences.
2. The Registrant must be assured that labeling only one ring in the compound is sufficient for this metabolism study.