

UNCLASSIFIED

AD 291 225

*Reproduced
by the*

ARMED SERVICES TECHNICAL INFORMATION AGENCY
ARLINGTON HALL STATION
ARLINGTON 12, VIRGINIA



UNCLASSIFIED

7

NOTICE: When government or other drawings, specifications or other data are used for any purpose other than in connection with a definitely related government procurement operation, the U. S. Government thereby incurs no responsibility, nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto.

291223

AD 12
ASTIA COPY

HAZLETON LABORATORIES,

INCORPORATED

Falls Church, Virginia

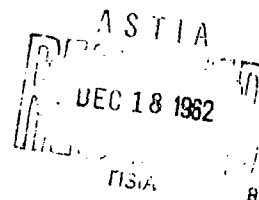
December 1, 1962

REPORT GROUP

NO. 30

Contract No. DA 18-108-405-CML-826

291 225



#110

I. Basic Screening

A. Compounds Screened - November
Page 1 of 2 pages

Compound Symbol	Dose Range				CAR*	SPE*	VDT*
	Mouse	Cat	Dog	Monkey			
CS 1667							x
CS 1668							x
CS 1670							x
CS 3070							x
CS 15705							x (2)
CS 18632		x	x		x	x	
CS 20443		x	x		x	x	
CS 23099N							x
CS 24100							x
CS 24101							x
CS 25037							x
CS 26989							x
CS 27002							x
CS 27047							x
CS 27048							x
CS 27049							x
CS 27051							x
CS 27055							x
CS 27335							x
CS 28693							x
CS 28694							x
CS 28697							x
CS 28883		x	x		x	x	
CS 28884	. x	x (2)	x (2)		x (2)	x (2)	x (2)
CS 28885		x	x		x	x	
CS 29212		x	x		x	x	
CS 29449		x	x		x	x	
CS 29537							x
CS 29541							x
CS 29557							x
CS 29567							x
CS 29703							x
CS 29611							x
CS 29613							x
CS 29614							x
CS 29885		x	x		x	x	
CS 29893		x	x		x (2)	x	
CS 30612							x
CS 30615A							x

(continued on next page)

* CAR = Conditioned Avoidance Response SPE = Sustained Physical Exercise
VDT = Visual Discrimination Test

A. Compounds Screened - November (continued)
Page 2 of 2 pages

Compound Symbol	Dose Range				CAR*	SPE*	VDT*
	Mouse	Cat	Dog	Monkey			
CS 30762		x	x		x	x	
CS 30801							x
CS 30802							x
CS 30804							x
CS 31619							x
CS 33510	. x	x	x		x	x	
CS 33512	. x	x	x		x	x	
CS 33527	. x						
CS 33536	. x						
CS 33538	. x	x	x		x	x (2)	
CS 33539	. x						
CS 33579	. x						
EA 2131		x	x		x	x	
EA 2723							x
EA 2888							x
EA 3033							x
EA 3041							x
EA 3047							x
EA 3152							x
EA 3155							x
EA 3170							x
EA 3204							x (2)
EA 3305							x (2)
EA 3306		x (2)	x (2)		x (2)	x	x
EA 3308				x			x
EA 3333							x
EA 3392		x	x (2)	x	x (2)	x (2)	x (2)
EA 3435							x (2)
EA 3443		x (2)	x (2)		x	x	x (15)
92864					x		
Total	8	20	21	2	22	20	72

* CAR = Conditioned Avoidance Response SPE = Sustained Physical Exercise
VDT = Visual Discrimination Test

B. Compounds To Be Screened - December

Compound Symbol	Dose Range		CAR*	SPE*	VDT*
	Cat	Dog			
CS 17775					X
CS 18632					X
CS 19177	x	x	x	x	X
CS 20443					X
CS 27056					X
CS 28325					X
CS 28883					X
CS 28885					X
CS 29212					X
CS 29449					X
CS 29666	x	x	x	x	X
CS 29885					X
CS 29893					X
CS 30762					X
CS 31620					X
CS 31621					X
CS 31622					X
CS 31623					X
CS 31624					X
CS 31643					X
CS 33510					X
CS 33512					X
CS 33538					X
EA 2131					X
EA 3348	x	x	x	x	X
EA 3349					X
EA 3360					X
EA 3365					X
EA 3407					X
EA 3439	x	x	x	x	X
CBA 92837					X
SKF 12430-J					X
2-thiocyano- pyridine-1-oxide					X
Total	4	4	4	4	33

* CAR = Conditioned Avoidance Response SPE = Sustained Physical Exercise
VDT = Visual Discrimination Test

C. Difficulties Encountered - None

II. Primary Mouse Skin Penetration Program

A. Completed

Skin screening of 10 compounds and the results are submitted.

B. Projected - None

C. Difficulties Encountered - None

III. Secondary Rabbit Skin Penetration Program

A. Completed - None

B. Projected - None

C. Difficulties Encountered - None

IV. Preclinical Pharmacology Program

A. Completed

Preclinical toxicology in rats and dogs on EA 3164 and EA 3186.

B. Projected

1. Preclinical toxicology in monkeys on EA 2233, EA 2233 Isomer 2, and EA 2233 Isomer 4.
2. Preclinical toxicology in rats and dogs on EA 2233 Isomer 2 and EA 2233 Isomer 4.

C. Difficulties Encountered - None

V. Additional Effort Requirements

A. Completed

Antagonism of the effects of BZ in the Sidman nondiscriminated avoidance response test in monkeys.

B. In Progress

1. Two tolerance studies of BZ in the CAR test in dogs.
2. A tolerance study of EZ in the SPE test in dogs.
3. A tolerance study of scopolamine in the multiple stimulus CAR test in dogs.
4. A tolerance study of scopolamine in the SPE test in dogs.