Vanlannifinal in Da	. Comitined Comy Ann	way and fam Dalanca (	2013/08/12 :	F CIA DDD94 040		, 50X1-HUM
eciassified in Pa	rt - Sanitized Copy App	proved for Release	2013/08/12 :	CIA-RDP81-010	30800010030000	J4-3
•						
The second section of the second seco						
CENTRAL	INTELLIGENCE	AGENC				
	· MILLIOLNCE	AGENC				
INFORM	ATION REPOR	т				
	ATION REFOR	<b>,</b>				
1.		SECI SECURITY INF				50X1-HUM
<del></del>	· · · · · · · · · · · · · · · · · · ·	<del></del>				•
COUNTRY	East Germany			REPORT		
SUBJECT	Qualitative &	k Quantitative A	nalysis	DATE DISTR.	30 <b>O</b> ct	tober 1953
	University	ommonen an mós	COCK	NO. OF PAGE	5	50X1-HUM
DATE OF INF	O			REQUIREMENT		<u> </u>
PLACE ACQUI	RED			REFERENCES		
		er v		_	1	50X1-HUN
	·		<u> </u>			<u>.</u>
."	THE SC	DURCE EVALUATIONS IN	THIS REPORT A	ARE DEFINITIVE.		50X1-HUM
		(FOR KEY S	EE .REVERSE)		•	
						:
						. •
			·			
•						
		•			·	
		•			•	
	•					
		<i>?</i>				
	•					

STATE	#X A	RMY	X NA	VY : 5	#x	AIR	#x	FBĮ	AEC	08	I Ev x		50X1-HUN	۷I
(Note:	Washington (	Distribution	Indicated	By "X"	, Field	. Distribution	n By "	<b>'#"</b> .)	<del></del> -					

Jag Same

SECRET -2-		50X1-HUN
Prof. Dr. Peter HOLTZ (formerly of the Rostock, and presently at Frankfurt/M		е,
	Falicain was available	50X1-HUM
on the market in the Soviet Zone of Ger Dentofalicain, Ophthafalicain, Falicid	rmany under the names and Rektafalicain.	

50X1-HUM

"Investigations	on, the	Qualitat:	ive and	Quantitative	Analysis	of
Fe	licain	and its ]	Degradat	ion Products	1	

50X1-HUM

- 1. This thesis represented a report of work which under the technical guidance of Dr. H. BRAEUNIGER in the pharmaceutical section of the Chemistry Institute of Rostock University from October 1951 until March 1953.
- 2. In this work methods for the qualitative and quantitative analysis of Falicain and its degradation products.

50X1-HUM

- the chemical identity of Falicain by preparing beta-50X1-HUM piperidino-ethyl-p-propoxyphenylketone hydrochloride (which is the structure of Falicain as claimed by its original synthesiser Dr. Elmer PROFFT of Magdeburg), and comparing this product with Falicain.
  - a. Preparation of beta-piperidino-thyl-p-propoxyphenylketone hydrochloride (PPF) is as follows:

A mixture of paraformaldehyde and piperidine hydrochloride in absolute alcohol is combined, according to the Mannich condensation, with p-propoxyacetophenone. The crystalline product obtained has a melting point of 163°C which, is not changed by recrystallization from alcohol-acetone.

50X1-HUM

- b. Prepared derivatives of PPK and Falicain, viz., oxime, two, four-dinitrophenylhydrazone, reineckate, and cobalt tetranitrosodiamine complex, showed identical properties after synthesis under the same conditions.
- 4. Falicain is decomposed by heating in aqueous solution, but inadequate amounts of degradation products can be isolated for identification. subjected Falicain to vacuum distillation and obtained the following compounds:

50X1-HUM

- a. Piperidine demonstrated by boiling point determination, by preparation of the reineckate.
- b. p-Propoxyphenyl-vinyl ketone-demonstrated by preparation of the hydrazone, two, four-dinitrophenylhydrazone and bromination product.

- Falicain hydrolyzed in the above fashion under conditions of complete absence of oxygen. This demonstrated that the hydrolysis of Falicain is independent of oxygen presence.
- Falicain hydrolyzed in the above fashion under conditions of varying hydrogen ion concentration, elevated temperature and elevated pressure. This demonstrated that pH changes affected the rate of decomposition, i.e., the greater the acidity, the less decomposition occurred. The greater the amount of heat applied, the greater is the decomposition. Increase of pressure causes greater breakdown.