

File SPM007 info labor, L. Habes

**NCE-Incontince Meeting
Monheim, May 28, 1999**

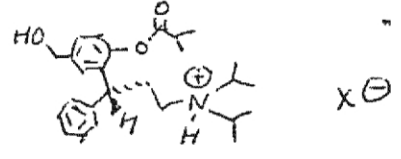
Participants:

- C. Arth
- H. Boekens
- C. van Dorp
- H. Friehe
- C. Meese
- P. Ney
- A. Schuetz
- B. Sparf

Preclinical Development
- 7 JUN 1999
signature: _____

SYNTHESELABOR
04 Juni 1999
Pe

This means:



In SPM 8228 "xO" is chloride. This salt, however, is amorphous and hygroscopic. We shall look now for ~ 20 other salts to improve the physicochemical properties. *Claus*

The selected candidate is: HO/OiBut

PRIVILEGED

2. Chemistry (C. Meese)

C. Meese explained the present route of synthesis (attachment 1). The aim is to get about 60 - 70 g of HO/OiBut in the lab-scale and about 0,5 kg of HO/OiBut in the kilo-lab-scale by the mid of July. A stable and crystalline salt is requested: Reference standards for HO/OH and HO/Oi But with certificates of analysis are requested.

3. Biological (H. Boekens)

The PK-results of the second bioavailable study in dogs are complete. They demonstrate that the half-life of tolterodine is shorter and the bioavailability of the metabolite is less than after application of HO/OiBut (attachment 2). Method development for tox study has been started and method validation for rats and dogs is ongoing.

4. Development Plan (P. Ney)

In order to put a development plan together, timelines and concepts for all necessary chemical, pharmaceutical and preclinical activities have been discussed. Cost estimations of the departments have to be given to P. Ney. HO/OiBut is called SPM 8228 for the moment. This number will be changed due to the internal system as soon as a salt is known.

5. Milestone decision

OH/OiBut has been selected as drug candidate for the NCE-incontinence project.

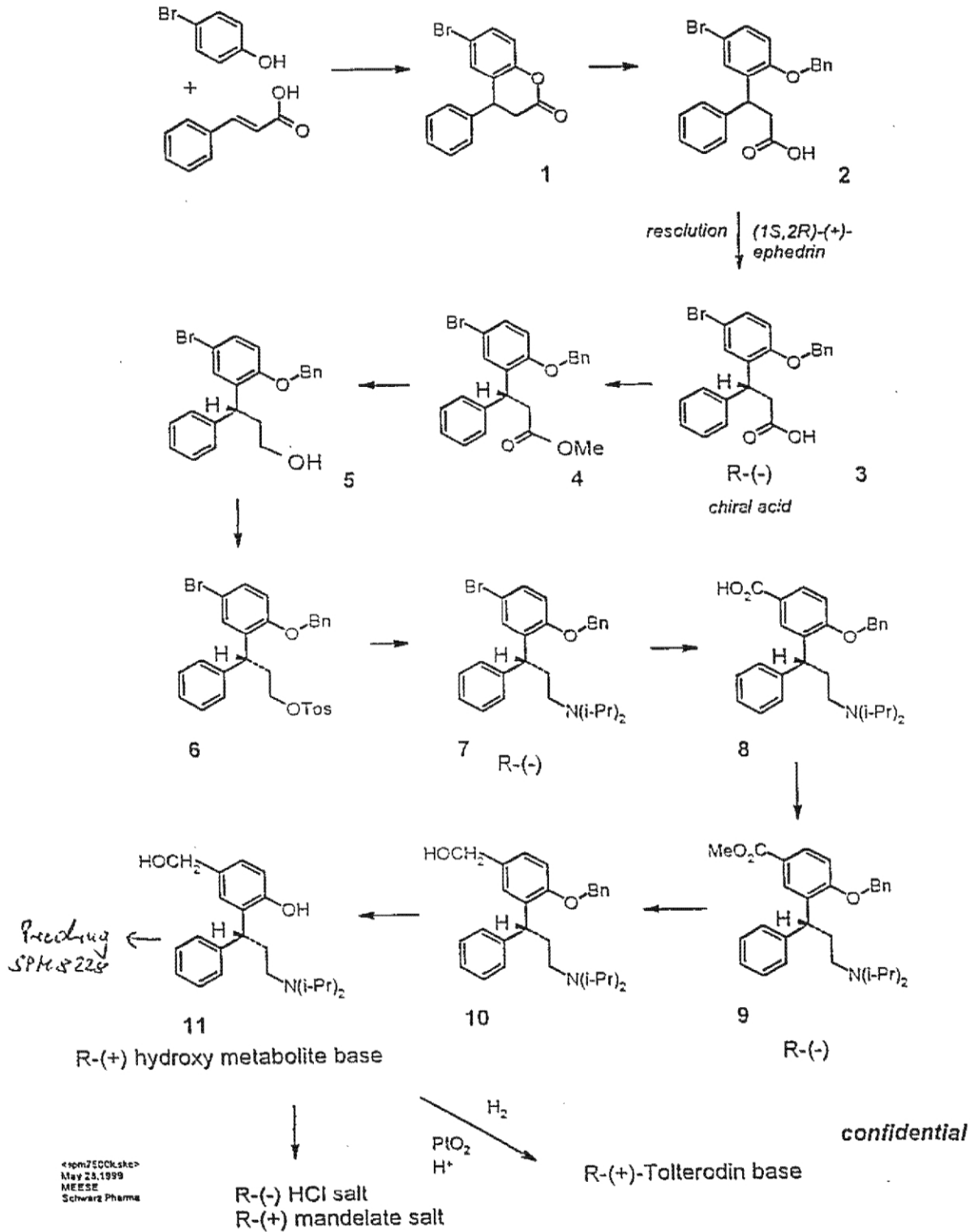
6. Actions until board presentation

- Development Plan (P. Ney)
- Cost estimations of the departments have to be given to P. Ney asap.

A. Schütz
May 31, 1999

SP Modification of the P & U Route

Present Process, May 28, 1999



<spn7E0cksk>
May 23, 1999
MEESE
Schwarz Pharma

1 Study Summary

Sponsor:	SCHWARZ PHARMA AG, Monheim (Germany)					
Study Responsible:	Dr. P. Ney, Dept. NPTA					
Testing Facilities						
Administration and plasma sampling:						
	LPT, Hamburg (Germany)					
	Study Director:	Dr. phil. J. Leuschner				
	Protocol No.:	LPT 11997/1/99				
Bioanalytics:	SCHWARZ PHARMA AG, Monheim (Germany)					
	Study Director:	Dr. W. Hammes, Dept. BA				
	Analytical Report:	BA 304-02				
Test Substances:	SPM 5427, SPM 6723, SPM 6725, SPM 8228, SPM 8229, SPM 8230 and SPM 9078					
Dose Level:	0.3 µmol/kg b.w.					
Animals:	5 Beagle dogs (male / age: <i>to be amended</i> / b.w. 10 - 15 kg)					
Design:	8-way cross-over design. Single doses of the test substances were administered according to the following scheme. All administrations were separated by a wash-out phase of at least two days.					
	Substance	Batch No.	Route	Dose Level [µmol/kg b.w.]	test day	dogs
	SPM 5427 [(+)-HO-/OH*HCl]	AB-5430	i.v.	0.3	1	1 - 5
		f	p.o.	0.3	5	1 - 5
	SPM 6723 [(+)-BzO-/OBz*HCl]	RK-6723	p.o.	0.3	9	1 - 5
	SPM 6725 [(+)-AcO-/OBz*HCl]	RK-6725	p.o.	0.3	12	1 - 5
	SPM 8228 [(+)-HO-/OiBut*HCl]	AC-8228	p.o.	0.3	15	1 - 5
	SPM 8229 [(+)-AcO-/OiBut*HCl]	AC-8229	p.o.	0.3	20	1 - 5
	SPM 8230 [(+)-HO-/OBz*HCl]	AC-8230	p.o.	0.3	23	1 - 5
	SPM 9078 [(+)-(R)-H-/OH*Tart.]	FP-9092	p.o.	0.3	26	1 - 5
Samples:	EDTA plasma samples containing sodium fluoride					
	i.v.:	-10 (predose), 5, 10, 20, 40, 60 min and 2, 3, 4, 6 and 8 h				
	p.o.:	-10 (predose), 20, 40, 60 min and 2, 3, 4, 6 and 8 h				
Bioanalytics:	determination of SPM 5427 plasma levels and of SPM 9075 plasma levels (test day 26 only) by GC-EI-MS/MS, bql: 0.040 ng/ml					
Study Dates:	date of final protocol	March 1st, 1999				
	start of administration:	March 18th, 1999				

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.