

CORPORATE PRESENTATION



TAHO Pharmaceuticals Ltd May 2024

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COMPANY OVERVIEW

TAHO PHARMACEUTICALS LTD.

Founded: 2010

> Base: Taipei, Taiwan

Employee: 24 (17 Scientists)

> Drug delivery technology **Focus:**

Deliver existing drugs through innovative new transdermal or **Strategy:**

transmucosal route with improved deliverability and efficacy.

DRUG PORTFOLIO





TRANSEPITHELIAL DELIVERY SYSTEM (TDS)

Transdermal Delivery System



- Up to several day duration
- More consistent plasma level
- No first-pass metabolism
- Highly reliable for both patients and health care providers

Transmucosal Delivery System



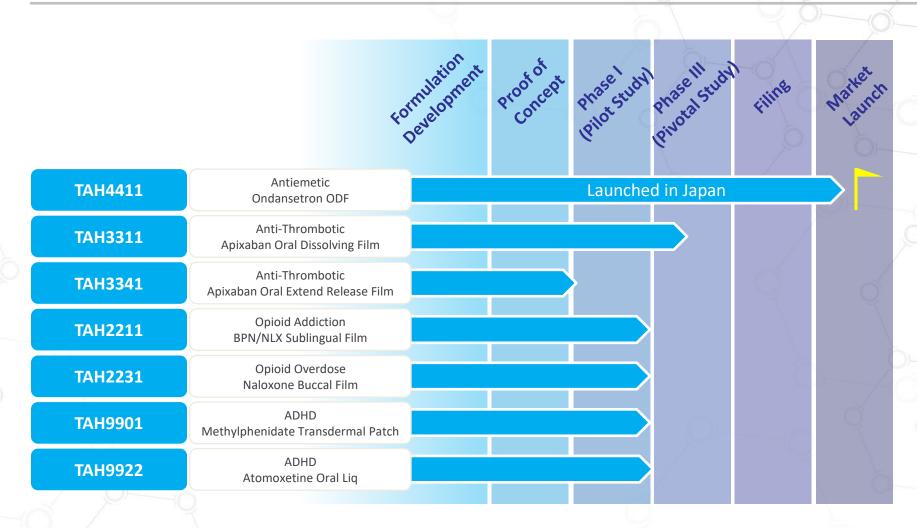
- No water needed
- No risk of choking
- Ideal "take-away medicine"
- Product differentiation for lifecycle management

PROJECT HIGHLIGHT

Project Code	Product	Indication	Product Highlight
TAH4411	Ondansetron ODF	Chemotherapy related Antiemetic	Ease of administration
TAH3311	Apixaban Oral Dissolving Film	Anticoagulation	Ease of administration
TAH3341	Apixaban Oral Extended-Release Film	Anticoagulation	Once daily, Ease of administration
TAH2211	Buprenorphine / Naloxone Sublingual Film	Opioid Secession	Safer and avoid misuse
TAH2231	Naloxone Buccal Film	Opioid Overdose	Good portability, Rapid Onset
ТАН9901	Methylphenidate Flexible Patch	ADHD	Avoid insomnia and low appetite
TAH9922	Atomoxetine Oral Liquid	ADHD	Child friendly taste masking



PIPELINE





TDS PLATFORM

NOACS ARE MAJOR DRIVING FORCE FOR MARKET GROWTH

US Novel Anticoagulant Sales



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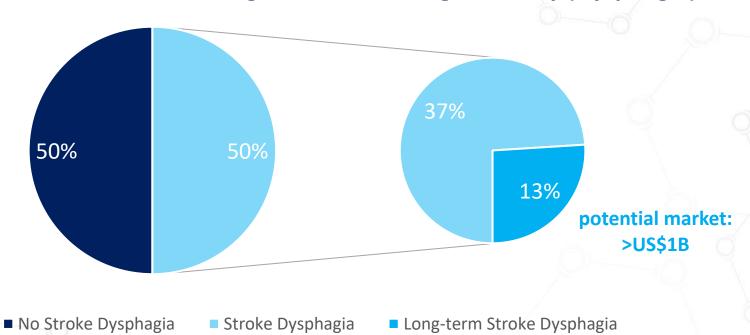
INVESTMENT CONSIDERATION



TDS PLATFORM

NOAC ONLY AVAILABLE IN TABLETS TABLET REQUIRE FEEDING TUBE FOR STROKE DYSPHAGIA

15 mln Patients Suffer From Stroke Every Year
13% Stroke Patient Have Long-term Swallowing Disability (Dysphagia)



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TDS PLATFORM

DRUG PORTFOLIO

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INVESTMENT CONSIDERATION



NOACS ARE MAJOR DRIVING FORCE FOR MARKET GROWTH

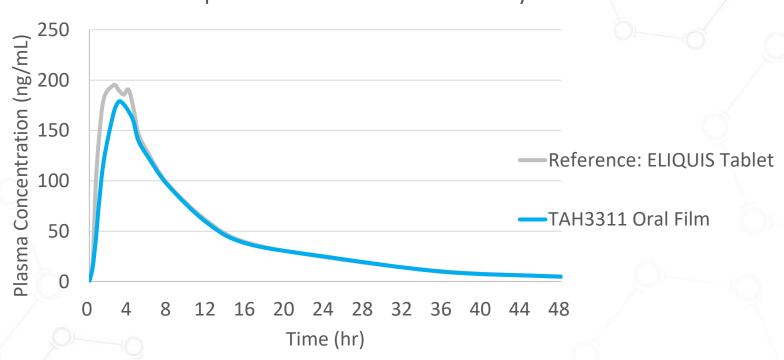
	Warfarin Tablet	NOAC Tablet 1	NOAC Tablet 2	TAH3311 Oral Film
Usual Dosing	1-10 mg Daily	10-20 mg Daily	2.5-5 mg Twice a Day	2.5-5 mg Twice a Day
Bleeding Risk	High	High	Medium	Medium 💙
Require Monitoring	Yes	No	No	No
Require Feeding Tube	Yes	Yes	Yes	No 🗸

TDS PLATFORM

TAH3311 FILM - ANTI-THROMBOTIC

PROVEN TECHNOLOGY IN HUMAN PK SIMILAR TO TABLET IMPLY CLEAR CLINICAL PATHWAY





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TDS PLATFORM

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INVESTMENT CONSIDERATION





Twice Daily Oral Film For Elderly to prevent Stroke, DVT, PE

- ✓ First oral film with market exclusivity
- ✓ Much easier to take than oral tablet
 - ✓ No feeding tube needed
 - ✓ No choking risk
 - ✓ Patient friendly formula with good taste
- ✓ Phase 1 data ready, Entering Phase 2 (pivotal study)



NALOXONE KITS – AVAILABILITY

NARCAN® Nasal Spray KLOXXADO® Nasal Spray ZIMHI® Intramuscular









Bulky device, not easy to carry around

Not available when witnessing an overdose incident

Minutes and seconds counts when OD happens*

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INVESTMENT CONSIDERATION



NALOXONE BUCCAL FILM - OPIOID OD

FAST AND EASY TO USE FOR EMERGENCY OD TREATMENT

	NARCAN® Nasal Spray	KLOXXADO® Nasal Spray	ZIMHI® Intramuscular	TAH2231 Buccal Film
	O WISCOM MANY TAKEN			
Fast Onset	Yes	Yes	Yes	Yes 🗸
Avoid OD After Rescue	No	No	No	Yes V
Ease of Use	Yes	Yes	Yes	Yes 🗸
Easy to Carry	No	No	No	Yes 🗸



TAH2231 BUCCAL FILM - OPIOID OD



Single Use Buccal Film Emergency Treatment of Opioid Overdose

- ✓ First buccal film with market exclusivity
- ✓ Much easier to carry than nasal spray and Injection
 - ✓ Easy to Carry
 - ✓ Easy to Use
 - ✓ Better Availability When Emergency
- ✓ In development. Animal PoC ready.

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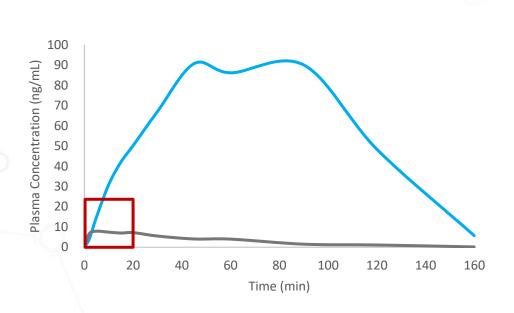
✓ In the middle of Phase 1 Studies

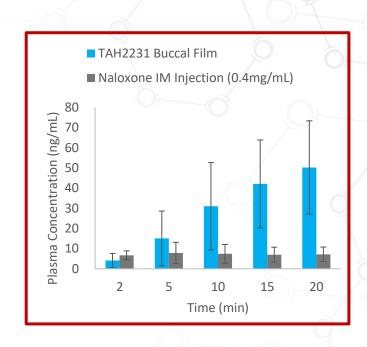


NALOXONE BUCCAL FILM - OPIOID OD

PROVEN IN ANIMAL PK STUDY

TAH2231 Animal Pharmacokinetics Profile





- No statistic differences on 2.5 min time point
- TAH2231 Buccal Film has high plasma concentration after 2 minutes time point

DRUG PORTFOLIO

BA of TAH2231 Buccal Film > 70%

NALOXONE BUCCAL FILM - OPIOID OD

PROVEN IN CLINICAL P1 STUDY

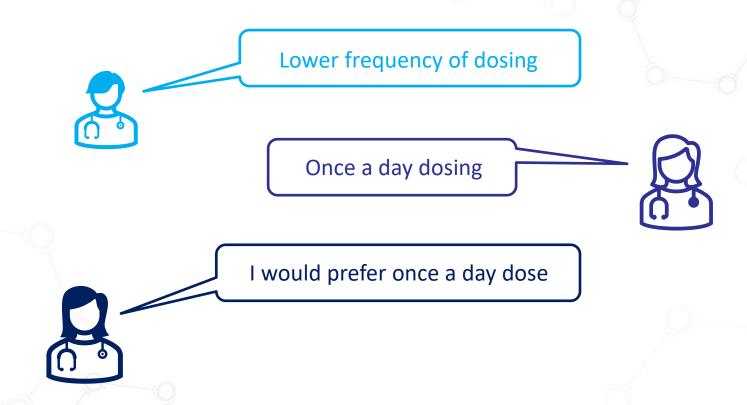
- A: Buccal Film A single
- B: Buccal Film A double
- C: Buccal Film B double
- D: Naloxone IM Injection (Hospira)

TDS PLATFORM

Parameter	Trt	n	Arithmetic Mean (CV%)	Geometric Mean	Contrast	Ratio (%)	90% Confidence Interval	Intra-Sb ₃ CV(%)
AUCt	A	16	6.3032 (39)	5.9359	A vs D	243.01	206.76 - 285.62	26
(hr*ng/mL)	В	16	11.5511 (31)	11.0669	B vs D	453.08	372.98 - 550.37	32
	C	16	12.4510 (36)	11.8914	C vs D	486.83	401.86 - 589.76	31
	D	16	2.5123 (25)	2.4426				
AUCinf	A	16	6.5791 (39)	6.1907	A vs D	246.26	210.64 - 287.92	25
(hr*ng/mL)	В	16	12.0991 (31)	11.5874	B vs D	460.94	380.53 - 558.35	31
	C	16	13.0822 (37)	12.4685	C vs D	495.99	411.22 - 598.24	30
	D	16	2.5838 (25)	2.5138				
Cmax	A	16	3.0063 (45)	2.7929	A vs D	146.47	107.00 - 200.51	53
(ng/mL)	В	16	5.6456 (39)	5.2553	B vs D	275.60	200.17 - 379.46	55
	C	16	6.6150 (44)	6.1120	C vs D	320.54	227.11 - 452.39	59
	D	16	2.0528 (33)	1.9068				

EXTENDED RELEASE APX IS NEEDED

ON CREATING A BETTER FORMULATION FOR APIXABAN TAHO OBTAINED KOL OPINIONS





TAH3341 ER ODF – ANTI-THROMBOTIC

FIRST EXTENDED RELEASE APIXABAN FORMULATION

	Warfarin Tablet	Rivaroxaban Tablet	Apixaban Tablet	TAH3341 ER OD Film
Usual Dosing	1-10 mg Daily	10-20 mg Daily	2.5-5 mg Twice a Day	5 - 10 mg Daily
Bleeding Risk	High	High	Medium	Medium V
Require Monitoring	Yes	No	No	No
Require Feeding Tube	Yes	Yes	Yes	No 🗸

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INVESTMENT CONSIDERATION

TAH3341 ER ODF – ANTI-THROMBOTIC



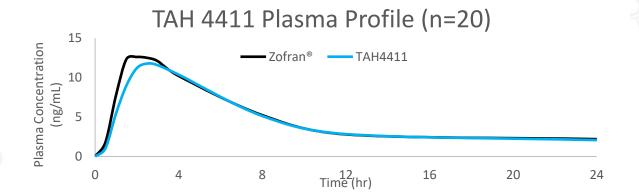
Once Daily Oral Dissolving Film For Elderly to prevent Stroke, DVT, PE

- First extended-release oral film
- ✓ Much easier to take than oral tablet
 - ✓ Once Daily for better compliance
 - ✓ No feeding tube needed
 - ✓ Easy to carry format
- ✓ Animal PK data ready. Entering Human Studies



ONDANSETRON ODF - ANTIEMETIC

A single dose, randomized, open-label, cross-over bioequivalence study of TAH4411 4mg oral film and Zonfran tablet (GSX) in healthy subjects under Fasting Conditions



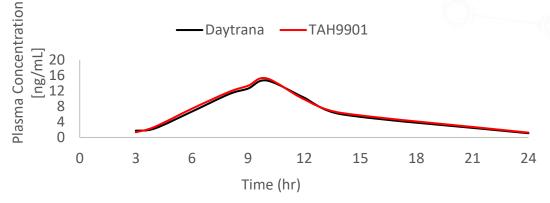
PK Parameters	TAH4411	Zofran®
AUC _{0-t} (h.ng/mL)	98.865 <u>+</u> 39.686	102.508 <u>+</u> 43.960
AUC _{0-∞} (h.ng/mL)	103.501 <u>+</u> 45.669	107.443 ±50.166
C _{max} (ng/mL)	13.7853 <u>+</u> 4.4515	14.4520 ±5.2191
T _{max} (hr)	2.26 <u>+</u> 0.69	2.05 <u>+</u> 0.62



METHYLPHENIDATE PATCH - ADHD

Single-dose, randomized, open-label, crossover study in healthy subjects under fasting conditions

TAH9901 Pharmacokinetics Studies



PK Parameters	TAH9901	Daytrana®
AUC _{0-t} (h.ng/mL)	129.2 <u>+</u> 39.15	123.69 <u>+</u> 19.42
AUC _{0-∞} (h.ng/mL)	137.12 <u>+</u> 39.99	130.37 <u>+</u> 18.84
C _{max} (ng/mL)	15.37 ±5.37	14.78 <u>+</u> 3.84
T _{max} (hr)	9.75 <u>+</u> 0.62	9.92 <u>+</u> 0.29
t _{1/2} (h)	4.21 <u>+</u> 0.67	3.95 <u>+</u> 0.66

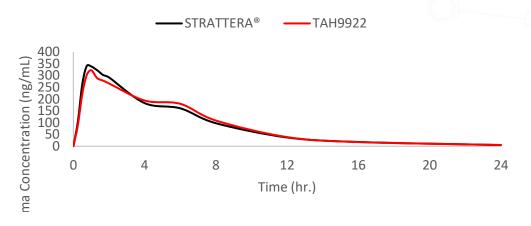
DRUG PORTFOLIO



ATOMOXETINE ORAL SOLUTION - ADHD

Single-dose, randomized, open-label, crossover study in healthy subjects under fasting conditions

TAH9922 Pharmacokinetics Studies



PK Parameters	TAH9922	STRATTERA®
AUC _{0-t} (h.ng/mL)	2009.72 <u>+</u> 907.54	1988.77 <u>+</u> 853.92
$AUC_{0-\infty}$ (h.ng/mL)	2059.38 <u>+</u> 931.59	2041.10 <u>+</u> 876.98
C _{max} (ng/mL)	354.4 <u>+</u> 146.8	371.6 <u>+</u> 104.5
T _{max} (hr)	1.35 <u>+</u> 0.99	1.13 <u>+</u> 0.49
t _{1/2} (h)	2.93 <u>+</u> 0.75	3.04 <u>+</u> 0.74

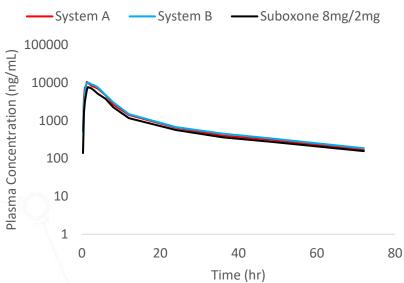
DRUG PORTFOLIO



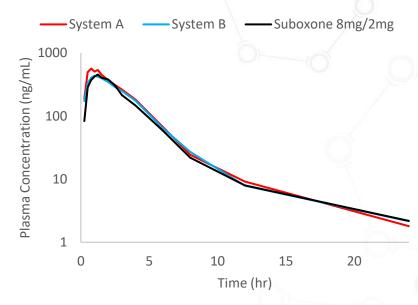
BUPRENORPHINE/NALOXONE FILM – OPIOID DETOX

Single-dose, randomized, open-label, crossover study in 7 healthy subjects, fasted





TAH2211 PK Profile: Naloxone



RLD: SUBOXONE® sublingual film (Buprenorphine 8 mg/ Naloxone 2 mg)

DRUG PORTFOLIO

No significant difference between the three formulations



PARTNERSHIP FOR DRUG DELIVERY

THANK YOU!

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