UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

FORM 8-K

Current Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event Reported): May 4, 2021

THERAVANCE BIOPHARMA, INC.

(Exact Name of Registrant as Specified in its Charter)

Cayman Islands (State or Other Jurisdiction of Incorporation) **001-36033** (Commission File Number) 98-1226628 (I.R.S. Employer Identification Number)

PO Box 309 Ugland House, South Church Street George Town, Grand Cayman, Cayman Islands KY1-1104

(650) 808-6000

(Addresses, including zip code, and telephone numbers, including area code, of principal executive offices)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

		Name of each exchange
Title of each class	Trading Symbol(s)	on which registered
Ordinary Share \$0.00001 Par Value	TBPH	NASDAQ Global Market

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§ 230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§ 240.12b-2 of this chapter).

Emerging growth company \Box

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 2.02. Results of Operations and Financial Condition.

On May 4, 2021, Theravance Biopharma, Inc. issued a press release and is holding a conference call regarding its financial results for the quarter ended March 31, 2021 and a business update. A copy of the press release is furnished as Exhibit 99.1 to this Current Report and a copy of materials that will accompany the call is furnished as Exhibit 99.2 to this Current Report. Additionally, a copy of an Appendix of additional materials is furnished as Exhibit 99.3 to this Current Report.

The information in Item 2.02 and in Item 9.01 of this Current Report on Form 8-K, including Exhibits 99.1, 99.2 and 99.3, is being furnished and shall not be deemed "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Securities Exchange Act of 1934"), or otherwise subject to the liabilities of that Section, nor shall it be incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, except as expressly set forth by specific reference in such a filing.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

- <u>99.1</u> <u>Press Release dated May 4, 2021</u>
- 99.2 Slide deck entitled First Quarter 2021 Financial Results and Business Update
- 99.3 Slide deck entitled Appendix May 4, 2021
- 104 Cover Page Interactive Data File (cover page XBRL tags embedded within the Inline XBRL document)

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

THERAVANCE BIOPHARMA, INC.

Date: May 4, 2021

By: /s/ Andrew Hindman

Andrew Hindman Senior Vice President and Chief Financial Officer



Theravance Biopharma, Inc. Reports First Quarter 2021 Financial Results and Provides Business Update

- Ø Company completed enrollment for Phase 2 nezulcitinib (TD-0903, COVID lung hyperinflammation) and Phase 2b izencitinib (ulcerative colitis) studies, is near completion of enrollment for ampreloxetine Phase 3, and reaffirms readout timing for these trials
- Ø Company updates timing for izencitinib (Crohn's disease) readout to late Q4/early Q1 2022
- Ø Company's implied 35% share of YUPELRI[®] (revefenacin) net sales¹: 12.9 million
- Ø TRELEGY[®] Q1 2021 global net sales hit a record \$341 million, up 37% from Q1 2020. Company is entitled to tiered royalties of 5.5% to 8.5% on TRELEGY net sales²

DUBLIN, IRELAND – MAY 4, 2021 – Theravance Biopharma, Inc. ("Theravance Biopharma" or the "Company") (NASDAQ: TBPH) today reported financial results for the first quarter of 2021.

"2021 is on track to be a transformational year as we make significant progress towards our business goals," said Rick E Winningham, Chief Executive Officer. "Our commercial assets provide cash flow to invest in our diversified clinical pipeline. GSK's TRELEGY continues an exceptional, unabated growth trajectory. Our YUPELRI team, with our partner Viatris, continues to drive performance despite pandemic-associated headwinds. While we experienced slightly down sequential quarter-over-quarter net sales results, our January 2021 market share was 19%—its highest level since launch—and we ended the quarter on a strong note with March volume demand demonstrating 28% growth over February."

"Additionally, we are focused on advancing development of our innovative and differentiated pipeline. We continue to progress nezulcitinib, our wholly-owned nebulized lung-selective pan-JAK inhibitor, our potentially best-in-class ampreloxetine for symptomatic neurogenic orthostatic hypotension and izencitinib, our oral gut-selective pan-JAK inhibitor for inflammatory bowel disease that is partnered with Janssen Pharmaceuticals. Our team is looking forward to four significant clinical readouts between now and Q1 2022: our Phase 2 nezulcitinib trial in Q2, our Phase 3 ampreloxetine and Phase 2b izencitinib Ulcerative Colitis trials each in Q3, and the Phase 2 izencitinib Crohn's disease trial in Q4/Q1 2022. We remain committed to delivering each of these clinical data sets with the highest quality as expeditiously as possible."

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¹ While Viatris Inc. ("Viatris") records the total YUPELRI net sales, the Company is entitled to a 35% share of the profits and losses pursuant to a co-promotion agreement with Viatris.

² As reported by Glaxo Group Limited or one of its affiliates (GSK); reported sales converted to USD; economic interest related to TRELEGY (the combination of fluticasone furoate, umeclidinium, and vilanterol (FF/UMEC/VI), jointly developed by GSK and Innoviva, Inc.) entitles the Company to upward tiering payments equal to approximately 5.5% to 8.5% on worldwide net sales of the product (net of Theravance Respiratory Company, LLC (TRC) expenses paid and the amount of cash, if any, expected to be used in TRC over the next four fiscal quarters). 75% of the income from the Company's investment in TRC is pledged to service outstanding notes and 25% of income from the Company's investment in TRC is retained by the Company.



Upcoming Clinical Milestones

- Q2 2021: Nezulcitinib (nebulized lung-selective pan-Janus kinase (JAK) inhibitor) Phase 2 for acute hyperinflammation of the lung in COVID-19 (study 0188)

 enrollment complete and topline results expected in Q2.
- Q3 2021: Ampreloxetine (norepinephrine reuptake inhibitor) Phase 3 for symptomatic neurogenic orthostatic hypotension (study 0169) enrollment near complete and topline results expected in Q3.
- Q3 2021: Izencitinib (gut-selective oral pan-JAK inhibitor for inflammatory intestinal diseases) Phase 2b in ulcerative colitis (study 0157) enrollment complete and topline results expected in Q3.
- Q4 2021/Q1 2022: Izencitinib (gut-selective oral pan-JAK inhibitor for inflammatory intestinal diseases) due to enrollment challenges, Phase 2 in Crohn's disease (study 0173) enrollment ongoing and topline results now expected in late Q4 2021/early Q1 2022.

Quarterly Highlight

Ø **YUPELRI**[®] (revefenacin) inhalation solution, the first and only once-daily, nebulized bronchodilator approved in the U.S. for the maintenance treatment of patients with chronic obstructive pulmonary disease (COPD), continued to increase its share of the long-acting nebulized COPD market, increasing to 19.0% in January 2021, up from 18.6% in December 2020.

Economic Interest

TRELEGY (first once-daily single inhaler triple therapy for COPD and asthma), in which the Company holds an economic interest, posted first quarter 2021 global net sales of \$341 million (up from \$249 million, 36.9%, in the first quarter of 2020); Theravance Biopharma is entitled to tiered royalties of 5.5% to 8.5% of TRELEGY global net sales.³

First Quarter Financial Results

- **Revenue:** Total revenue for the first quarter of 2021 was \$14.3 million, comprised of non-cash collaboration revenue of \$3.9 million primarily attributed to our global collaboration with Janssen and \$10.4 million in Viatris collaboration revenue. Total revenue for the first quarter represents a \$5.6 million decrease over the same period in 2020.
- YUPELRI: The Viatris collaboration revenue of \$10.4 million for the first quarter of 2021 represents amounts receivable from Viatris and is comprised of the Company's 35% share of net sales of YUPELRI as well as its proportionate amount of the total shared costs incurred by the two companies. The non-shared YUPELRI costs incurred by Theravance Biopharma are recorded within operating expenses. While Viatris records the total net sales of YUPELRI within its financial statements, our implied 35% share of net sales of YUPELRI for the first quarter of 2021 was \$12.9 million.
- **Research and Development (R&D) Expenses:** R&D expenses for the first quarter of 2021 were \$67.6 million, compared to \$66.0 million in the same period in 2020. First quarter R&D expenses included total non-cash share-based compensation of \$7.9 million.

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³ As reported by Glaxo Group Limited or one of its affiliates (GSK); reported sales converted to USD; economic interest related to TRELEGY (the combination of fluticasone furoate, umeclidinium, and vilanterol (FF/UMEC/VI), jointly developed by GSK and Innoviva, Inc.) entitles the Company to upward tiering payments equal to approximately 5.5% to 8.5% on worldwide net sales of the product (net of Theravance Respiratory Company, LLC (TRC) expenses paid and the amount of cash, if any, expected to be used in TRC over the next four fiscal quarters). 75% of the income from the Company's investment in TRC is pledged to service outstanding notes and 25% of income from the Company's investment in TRC is retained by the Company.



- Selling, General and Administrative (SG&A) Expenses: SG&A expenses for the first quarter of 2021 were \$30.6 million, compared to \$26.3 million in the same period in 2020. First quarter SG&A expenses included total non-cash share-based compensation of \$7.9 million.
- **Operating Loss:** Operating loss for the first quarter of 2021 was \$83.9 million compared to \$72.5 million in the same period of 2020.
- Cash Position: Cash, cash equivalents and marketable securities totaled \$210.0 million as of March 31, 2021.

2021 Financial Guidance

• **Operating Expenses** (excluding share-based compensation): The Company expects full year 2021 R&D expense of \$195 million to \$225 million, and SG&A expense of \$80 million to \$90 million.

Conference Call and Live Webcast Today at 5 pm ET

Theravance Biopharma will hold a conference call and live webcast accompanied by slides today at 5 pm ET / 2 pm PT / 10 pm IST. To participate, please dial (855) 296-9648 from the U.S. or (920) 663-6266 for international callers, using the confirmation code 1092615. Those interested in listening to the conference call live via the internet may do so by visiting Theravance.com, under the Investors section, Presentations and Events.

A replay will be available on Theravance.com for 30 days through June 3, 2021. An audio replay will also be available through 8:00 pm ET on May 11, 2021, by dialing (855) 859-2056 from the U.S., or (404) 537-3406 for international callers, and then entering confirmation code 1092615.

About Theravance Biopharma

Theravance Biopharma, Inc. is a diversified biopharmaceutical company primarily focused on the discovery, development and commercialization of organ-selective medicines. Its purpose is to pioneer a new generation of small molecule drugs designed to better meet patient needs. Its research is focused in the areas of inflammation and immunology.

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In pursuit of its purpose, Theravance Biopharma applies insights and innovation at each stage of its business and utilizes its internal capabilities and those of partners around the world. The Company applies organ-selective expertise to target disease biologically, to discover and develop medicines that may expand the therapeutic index with the goal of maximizing efficacy and limiting systemic side effects. These efforts leverage years of experience in developing lung-selective medicines to treat respiratory disease, including FDA-approved YUPELRI[®] (revefenacin) inhalation solution indicated for the maintenance treatment of patients with chronic obstructive pulmonary disease (COPD). Its pipeline of internally discovered programs is targeted to address significant patient needs.

Theravance Biopharma has an economic interest in potential future payments from Glaxo Group Limited or one of its affiliates (GSK) pursuant to its agreements with Innoviva, Inc. relating to certain programs, including TRELEGY.

For more information, please visit www.theravance.com.

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YUPELRI[®] is a registered trademark of Mylan Specialty L.P., a Viatris company. Trade names or service marks of other companies appearing on this press release are the property of their respective owners

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This press release contains and the conference call will contain certain "forward-looking" statements as that term is defined in the Private Securities Litigation Reform Act of 1995 regarding, among other things, statements relating to goals, plans, objectives, expectations and future events. Theravance Biopharma intends such forwardlooking statements to be covered by the safe harbor provisions for forward-looking statements contained in Section 21E of the Securities Exchange Act of 1934 and the Private Securities Litigation Reform Act of 1995. Examples of such statements include statements relating to: the Company's goals, designs, strategies, plans and objectives, the Company's regulatory strategies and timing of clinical studies (including the data therefrom), the potential characteristics, benefits and mechanisms of action of the Company's product and product candidates, the potential that the Company's research programs will progress product candidates into the clinic, the Company's expectations for product candidates through development, the Company's expectations regarding its allocation of resources, potential regulatory approval and commercialization (including their differentiation from other products or potential products), product sales or profit share revenue and the Company's expectations for its expenses, excluding share-based compensation and other financial results. These statements are based on the current estimates and assumptions of the management of Theravance Biopharma as of the date of the press release and the conference call and are subject to risks, uncertainties, changes in circumstances, assumptions and other factors that may cause the actual results of Theravance Biopharma to be materially different from those reflected in the forward-looking statements. Important factors that could cause actual results to differ materially from those indicated by such forward-looking statements include, among others, risks related to: disagreements with Innoviva, Inc. and TRC LLC, the uncertainty of arbitration and litigation and the possibility that the results of these proceedings could be adverse to the Company, delays or difficulties in commencing, enrolling or completing clinical studies, the potential that results from clinical or non-clinical studies indicate the Company's compounds or product candidates are unsafe or ineffective, risks that product candidates do not obtain approval from regulatory authorities, the feasibility of undertaking future clinical trials for our product candidates based on policies and feedback from regulatory authorities, dependence on third parties to conduct clinical studies, delays or failure to achieve and maintain regulatory approvals for product candidates, risks of collaborating with or relying on third parties to discover, develop, manufacture and commercialize products, and risks associated with establishing and maintaining sales, marketing and distribution capabilities with appropriate technical expertise and supporting infrastructure. In addition, while we expect the effects of COVID-19 to continue to adversely impact our business operations and financial results, the extent of the impact on our ability to generate revenue from YUPELRI® (revefenacin), our clinical development programs (including but not limited to our later stage clinical programs for izencitinib and ampreloxetine), and the value of and market for our ordinary shares, will depend on future developments that are highly uncertain and cannot be predicted with confidence at this time. These potential future developments include, but are not limited to, the ultimate duration of the COVID-19 pandemic, travel restrictions, quarantines, social distancing and business closure requirements in the United States and in other countries, other measures taken by us and those we work with to help protect individuals from contracting COVID-19, and the effectiveness of actions taken globally to contain and treat the disease, including vaccine availability, distribution, acceptance and effectiveness. Other risks affecting Theravance Biopharma are in the Company's Form 10-K filed with the SEC on February 26, 2021 and other periodic reports filed with the SEC. In addition to the risks described above and in Theravance Biopharma's filings with the SEC, other unknown or unpredictable factors also could affect Theravance Biopharma's results. No forward-looking statements can be guaranteed, and actual results may differ materially from such statements. Given these uncertainties, you should not place undue reliance on these forward-looking statements. Theravance Biopharma assumes no obligation to update its forward-looking statements on account of new information, future events or otherwise, except as required by law.

Contact: Gail B. Cohen Corporate Communications 917-214-6603

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THERAVANCE BIOPHARMA, INC. CONDENSED CONSOLIDATED BALANCE SHEETS (In thousands)

	 March 31, 2021 (Unaudited)		December 31, 2020 (1)	
Assets				
Current assets:				
Cash and cash equivalents and short-term marketable securities	\$ 209,968	\$	292,941	
Receivables from collaborative arrangements	11,915		15,868	
Receivables from licensing arrangements	-		-	
Amounts due from TRC, LLC	42,359		53,799	
Prepaid clinical and development services	18,792		20,374	
Other prepaid and current assets	10,037		10,359	
Total current assets	 293,071		393,341	
Property and equipment, net	16,944		16,422	
Operating lease assets	42,517		43,260	
Equity in net assets of TRC, LLC	19,439		12,750	
Restricted cash	833		833	
Other assets	2,304		2,451	
Total assets	\$ 375,108	\$	469,057	
Liabilities and Shareholders' Deficit				
Current liabilities	\$ 86,492	\$	123,571	
Convertible senior notes due 2023, net	227,230		226,963	
Non-recourse notes due 2035, net	375,181		372,873	
Long-term operating lease liabilities	57,026		47,220	
Other long-term liabilities	2,397		2,181	
Shareholders' deficit	(373,218)		(303,751)	
Total liabilities and shareholders' deficit	\$ 375,108	\$	469,057	

⁽¹⁾ The condensed consolidated balance sheet as of December 31, 2020 has been derived from the audited consolidated financial statements included in the Company's Annual Report on Form 10-K for the year ended December 31, 2020.

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THERAVANCE BIOPHARMA, INC. CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (In thousands, except per share data)

	Three Month	Three Months Ended March 31,		
	2021		2020	
	(U	naudited))	
Revenue:				
Collaboration revenue	\$ 3,82	2\$	6,632	
Licensing revenue		-	1,500	
Viatris collaboration agreement	10,38	5	11,730	
Total revenue	14,25	7	19,862	
Costs and expenses:				
Research and development (1)	67,59	9	66,013	
Selling, general and administrative (1)	30,55	0	26,325	
Total costs and expenses	98,14	.9	92,338	
Loss from operations	(83,89	2)	(72,476)	
Income from investment in TRC, LLC	16,54	.7	13,515	
Interest expense	(11,82	3)	(9,941)	
Loss on extinguishment of debt		-	(15,464)	
Interest and other income, net	(23	4)	1,460	
Loss before income taxes	(79,45	2)	(82,906)	
Provision for income tax expense	(22	7)	(147)	
Net loss	\$ (79,67	9) \$	(83,053)	
Net loss per share:				
Basic and diluted net loss per share	\$ (1.2	(4) \$	(1.40)	
Shares used to compute basic and diluted net loss per share	64,45		59,463	

⁽¹⁾ Amounts include share-based compensation expense as follows:

	Three Months Ended March 31,			
(In thousands)	2021		2020	
Research and development	\$	7,921	\$	7,865
Selling, general and administrative		7,911		7,411
Total share-based compensation expense	\$	15,832	\$	15,276

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Theravance Biopharma

Medicines That Make a Difference®

First Quarter 2021 Financial Results and Business Update

May 4, 2021

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Forward-looking statements

Under the safe harbor provisions of the U.S. Private Securities Litigation Reform Act of 1995, the company cautions investors that any forward-looking statements or projections made by the company are subject to risks and uncertainties that may cause actual results to differ materially from the forward-looking statements or projections.

Examples of forward-looking statements in this presentation may include the Company's goals, designs, strategies, plans and objectives, the Company's regulatory strategies and timing of clinical studies (including the data therefrom), the potential characteristics, benefits and mechanisms of action of the Company's product and product candidates, the potential that the Company's research programs will progress product candidates into the clinic, the Company's expectations for product candidates through development, the Company's expectations regarding its allocation of resources, potential regulatory approval and commercialization (including their differentiation from other products or potential products), product sales or profit share revenue and the Company's expectations for its expenses, excluding share-based compensation and other financial results.

The company's forward-looking statements are based on the estimates and assumptions of management as of the date of this presentation and are subject to risks and uncertainties that may cause the actual results to be materially different than those projected, such as risks related to the impacts on the COVID-19 global pandemic on our business, delays or difficulties in commencing, enrolling or completing clinical studies, the potential that results from clinical or non-clinical studies indicate the Company's compounds or product candidates are unsafe or ineffective, risks that product candidates do not obtain approval from regulatory authorities, the feasibility of undertaking future clinical trials for our product candidates based on policies and feedback from regulatory authorities, dependence on third parties to conduct clinical studies, delays or failure to achieve and maintain regulatory approvals for product candidates, risks of collaborating with or relying on third parties to discover, develop, manufacture and commercialize products, and risks associated with establishing and maintaining sales, marketing and distribution capabilities with appropriate technical expertise and supporting infrastructure, disagreements with Innoviva, Inc. and TRC LLC, the uncertainty of arbitration and litigation and the possibility that an arbitration award or litigation result could be adverse to the Company.

Other risks affecting Theravance Biopharma are in the company's Form 10-K filed with the SEC on February 26, 2021, and other periodic reports filed with the SEC.

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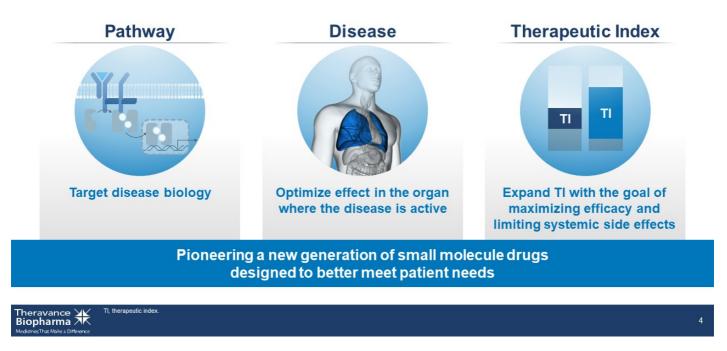
Agenda

Introduction	Gail B. Cohen Vice President, Corporate Communications
Overview	Rick E Winningham Chief Executive Officer
Development and Commercial Update	Richard A. Graham Senior Vice President, Development
	Frank Pasqualone Senior Vice President, Chief Business Officer
Financial Update	Andrew A. Hindman Senior Vice President, Chief Financial Officer
Closing Remarks	Rick E Winningham Chief Executive Officer

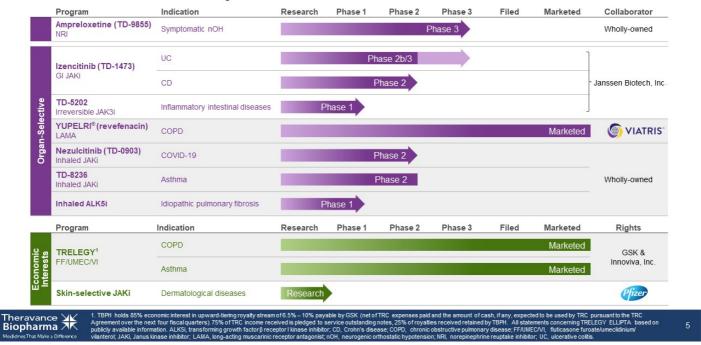
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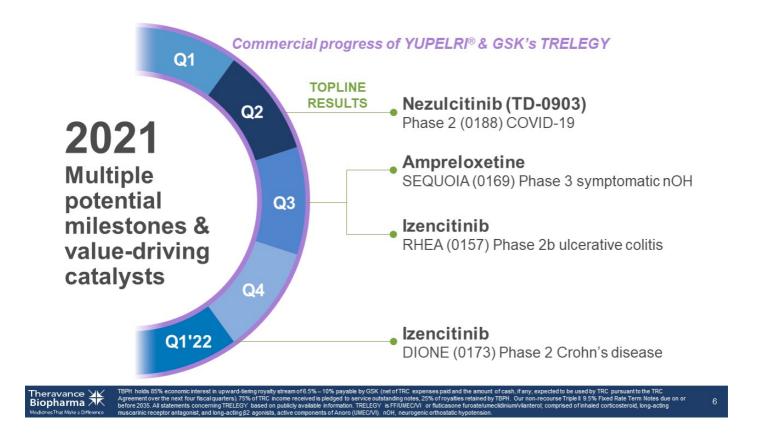
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Theravance Biopharma difference: Targeting disease with organ selective medicines



Key programs supported by proven development and commercial expertise



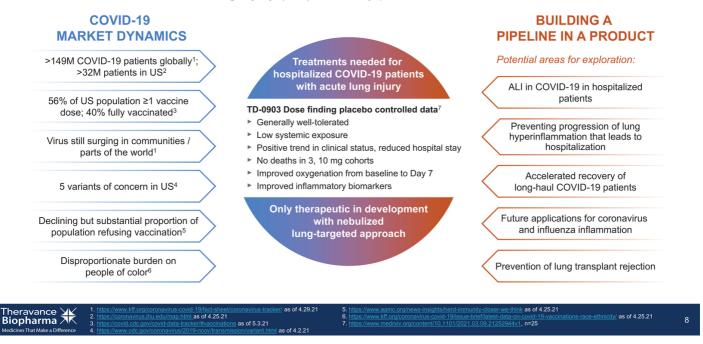


Nezulcitinib (TD-0903) Program Nebulized lung-selective pan-JAK inhibitor to treat:

- Acute hyperinflammation of the lung in COVID-19
- Chronic inflammation for the treatment and prevention of lung transplant rejection

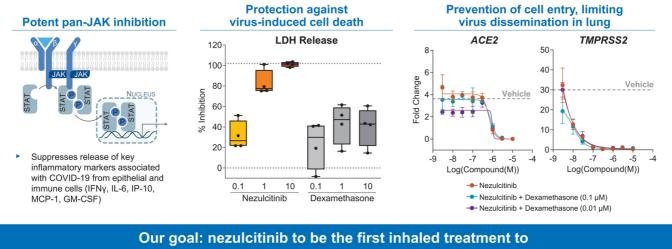
Nezulcitinib (TD-0903): breaking new ground with inhaled JAKi

Focused execution in acute lung injury (ALI) driven by patient need



Nezulcitinib: a lung-selective inhaled immunotherapy in development Broadly inhibits the pulmonary inflammatory cascade caused by viral infection

Potential therapeutic benefit via three activities:

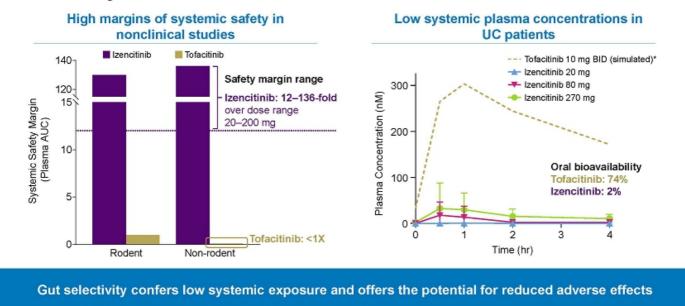


broadly interrupt viral-induced activation and restore immune system balance in the lung

Theravance XK ACE2. anglotensin-converting enzyme 2; GM-CSF. granulocyte-macrophage colony-stimulating factor; IFNy. interferon gamma; IL-6. interleukin 6; IP-10, IFNy-induced protein 10; JAK, Janus kinase; LDH, lactate dehydrogenase; MCP-1, monocyte chemoattractant protein-1; STAT, signal transducer and activator of transcription; TMPRSS2, transmembrane protease, serine 2.

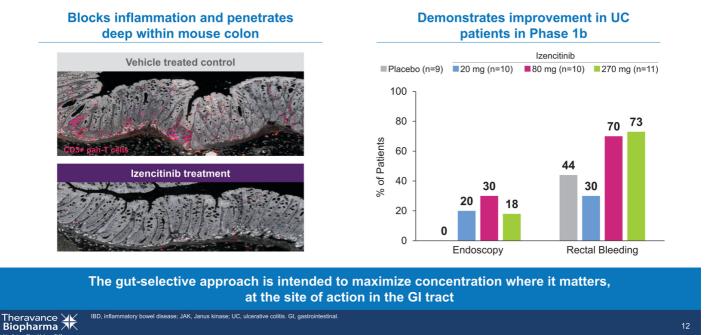
Izencitinib (TD-1473/JNJ-8398) Oral gut-selective pan-JAK inhibitor to treat inflammatory bowel diseases

Izencitinib's oral, gut-selective, pan-JAK approach is designed to reduce systemic side effects



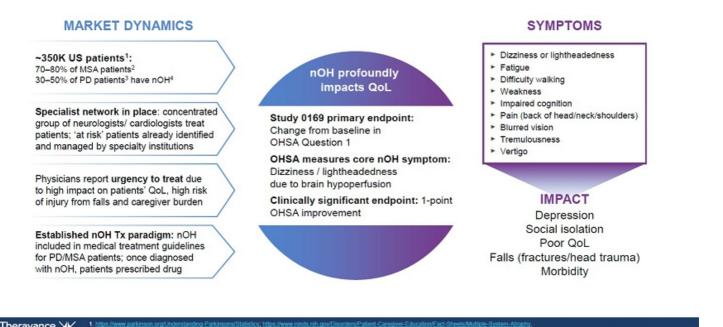
Theravance
 Simulated totactinib concentrations extracted from Dowly ME, et al. J Pharmacol Exp Ther 2014;348:168-73.
 AUC, area under curve; BID, twice daily, hr, hour; JAK, Janus Kinase; UC, ulcerative colitis.
 Madrine The Make a Difference
 Machine The Make a Difference
 Rodent species was at fit origenchine and totacitinib, non-ordent species was at fit origencine and totacitinib.

Izencitinib's oral, gut-selective, pan-JAK approach is designed to maximize efficacy in IBD



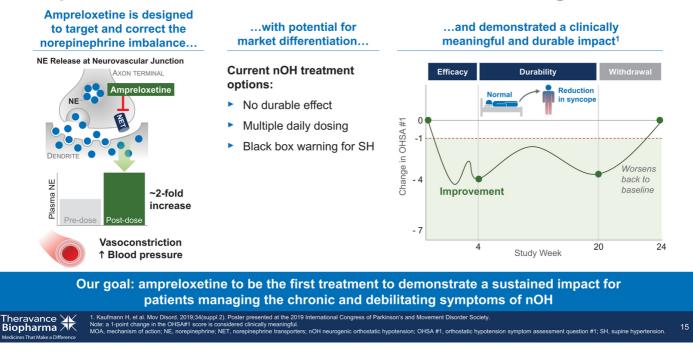
Ampreloxetine (TD-9855) Once-daily norepinephrine reuptake inhibitor to treat symptomatic neurogenic orthostatic hypotension

Ampreloxetine: new approach in nOH



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Ampreloxetine: a once-daily, potent and selective norepinephrine reuptake inhibitor with a differentiated MOA for treating nOH

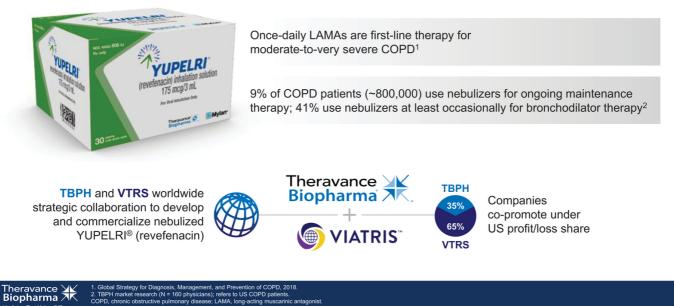




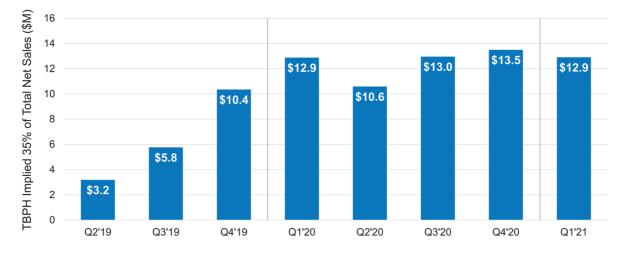
FDA-approved for the maintenance treatment of COPD First and only once-daily, nebulized maintenance medicine for COPD

YUPELRI® (revefenacin) inhalation solution

FDA-approved for the maintenance treatment of COPD First and only once-daily, nebulized maintenance medicine for COPD



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TBPH implied 35% of YUPELRI® US net sales by quarter

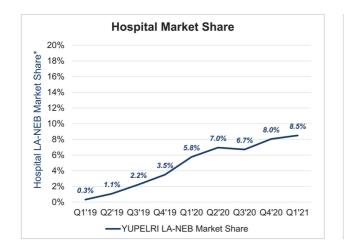
TBPH implied 35% of YUPELRI US net sales represents TBPH's portion of the combined TBPH and VIATRIS net revenue

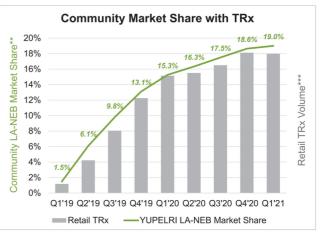
ary 26, 2021 for greater detail re TBPH implied 35%

Theravance Biopharma

YUPELRI® hospital sales and community TRx trends

Continued market share growth across both the hospital and retail channels





Most patients who receive YUPELRI® in the hospital are discharged with an Rx¹

TRx volume represents retail only which is typically 33% of Retail + DME

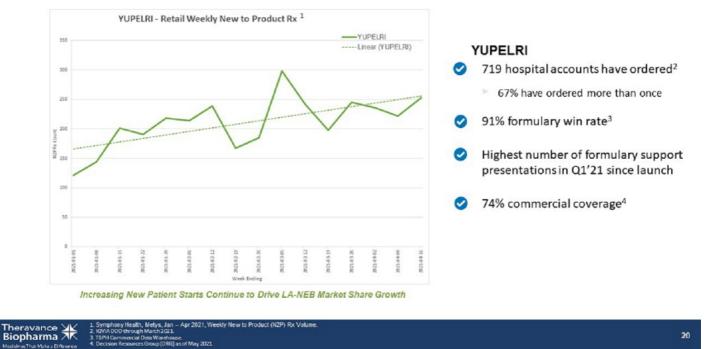
**Community LA-NEB Market Share includes Retail + DME / Med B FFS through January '21

LA-NEB Market: YUPELRI, BROVANA, LONHALA, PERFOROMIST

Theravance I. Joint VTRS/TBPH Market Research.
 Hospital LA-NEB Market Share - IOVIA DDD through 03/31/2021.
 "Hospital LA-NEB Market Share - IOVIA XPO Excl. LTC (Retail) and SolutionsRx (DME / Med B FFS) through 1/31/2021 (Q1'21 Community LA-NEB Market Share Incomplete).

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Positive growth trends for YUPELRI® continuing beyond March

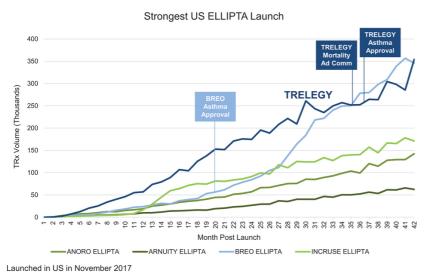


Economic interest

GSK's TRELEGY ELLIPTA (FF/UMEC/VI): First and only once-daily single inhaler triple therapy

Economic interest in GSK's TRELEGY

Upward-tiering royalties of ~5.5-8.5% of worldwide net sales¹



Source: GSK, Symphony Health Metys monthly TRx data. Source: Symphony Health, Metys, September 2013 - March 2021, Monthly TRx Volume

TRELEGY is FF/UMEC

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TRELEGY

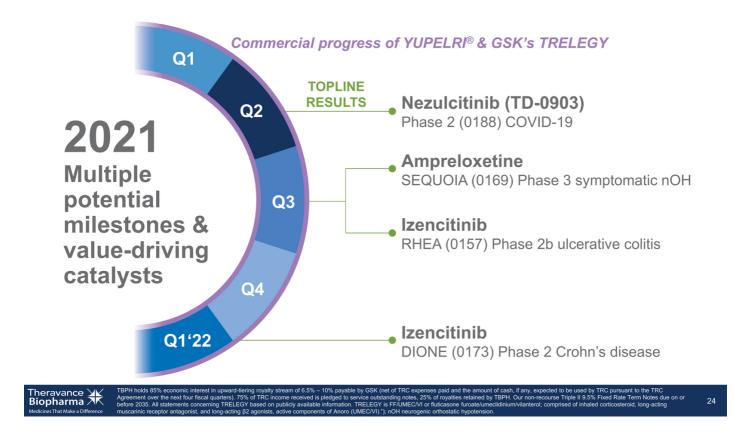
- Q1 net sales of \$341MM
- Year-over-year sales growth of 37% from the same period in 2020
- US sales (\$238MM) benefited from new asthma indication approved and launched in Q3 2020
- International and EU sales grew to \$103M; asthma indication approved in Japan in Q4 2020

are due

First quarter 2021 financial highlights \$210.0 million cash¹ as of March 31, 2021

0	0 million cash' as of March 31, 2021		Three Months Ended March 31,				
	(\$, in thousands)		2021	2020			
			(Unau	dited)			
	Revenue: Collaboration revenue Licensing revenue Viatris collaboration agreement Total revenue	\$	3,872 - 10,385 14,257	\$	6,632 1,500 <u>11,730</u> 19,862		
	Costs and expenses: Research and development ² Selling, general and administrativet ² Total costs and expenses		67,599 30,550 98,149		66,013 26,325 92,338		
	Loss from operations		(83,892)		(72,476)		
	Share-based compensation expense: Research and development Selling, general and administrative Total share-based compensation expense		7,921 7,911 15,832		7,865 7,411 15,276		
	Operating expense excluding share-based compensation: Research and development operating expense excluding share-based compensation Selling, general and administrative operating expense excluding share-based compensation	\$	59,678 22,639	\$	58,148 18,914		
	1. Cash, cash equivalents and marketable securities. 2. Amounts include share-based compensation.		1				

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Rick E Winningham Chairman and Chief Executive Officer

> Andrew A. Hindman Senior Vice President, Chief Financial Officer

> > Frank Pasqualone Senior Vice President, Chief Business Officer

Q&A Session

Richard A. Graham Senior Vice President, Development



About YUPELRI® (revefenacin) inhalation solution

YUPELRI® (revefenacin) inhalation solution is a once-daily nebulized LAMA approved for the maintenance treatment of COPD in the US.

Market research by Theravance Biopharma indicates approximately 9% of the treated COPD patients in the US use nebulizers for ongoing maintenance therapy.¹ LAMAs are a cornerstone of maintenance therapy for COPD and YUPELRI[®] is positioned as the first once-daily single-agent bronchodilator product for COPD patients who require, or prefer, nebulized therapy. YUPELRI[®]'s stability in both metered dose inhaler and dry powder device formulations suggest that this LAMA could also serve as a foundation for novel handheld combination products.



YUPELRI® (revefenacin) inhalation solution

YUPELRI® inhalation solution is indicated for the maintenance treatment of patients with chronic obstructive pulmonary disease (COPD).

Important Safety Information (US)

YUPELRI is contraindicated in patients with hypersensitivity to revefenacin or any component of this product.

YUPELRI should not be initiated in patients during acutely deteriorating or potentially life-threatening episodes of COPD, or for the relief of acute symptoms, i.e., as rescue therapy for the treatment of acute episodes of bronchospasm. Acute symptoms should be treated with an inhaled short-acting beta2-agonist.

As with other inhaled medicines, YUPELRI can produce paradoxical bronchospasm that may be life-threatening. If paradoxical bronchospasm occurs following dosing with YUPELRI, it should be treated immediately with an inhaled, short-acting bronchodilator. YUPELRI should be discontinued immediately and alternative therapy should be instituted.

YUPELRI should be used with caution in patients with narrow-angle glaucoma. Patients should be instructed to immediately consult their healthcare provider if they develop any signs and symptoms of acute narrow-angle glaucoma, including eye pain or discomfort, blurred vision, visual halos or colored images in association with red eyes from conjunctival congestion and corneal edema.

Worsening of urinary retention may occur. Use with caution in patients with prostatic hyperplasia or bladder-neck obstruction and instruct patients to contact a healthcare provider immediately if symptoms occur.

Immediate hypersensitivity reactions may occur after administration of YUPELRI. If a reaction occurs, YUPELRI should be stopped at once and alternative treatments considered.

The most common adverse reactions occurring in clinical trials at an incidence greater than or equal to 2% in the YUPELRI group, and higher than placebo, included cough, nasopharyngitis, upper respiratory infection, headache and back pain.

Coadministration of anticholinergic medicines or OATP1B1 and OATP1B3 inhibitors with YUPELRI is not recommended.

YUPELRI is not recommended in patients with any degree of hepatic impairment.

OATP, organic anion transporting polypeptide

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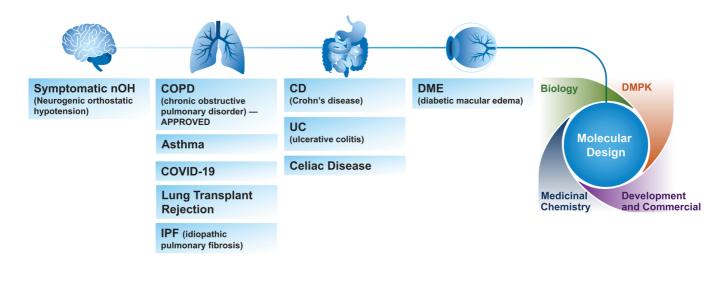
Medicines That Make a Difference[®] Appendix

May 4, 2021

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Research and development portfolio of designed molecules: brain, lung, GI and eye



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DMPK, drug metabolism and pharmacokinetics; GI, gastrointestina

Nezulcitinib (TD-0903) Program Nebulized lung-selective pan-JAK inhibitor to treat:

- Acute hyperinflammation of the lung in COVID-19
- Chronic inflammation for the treatment and prevention of lung transplant rejection

Leveraging respiratory expertise for potential acute treatment in response to a global pandemic





>32M[…] US patients¹



CURRENT US TREATMENT LANDSCAPE

STRATEGIC

OPPORTUNITY

Theravance K Biopharma

0-п

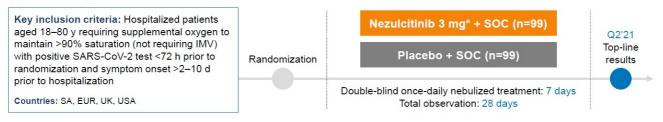
3 vaccines available via Emergency Use Authorization^{3,4} 1 approved treatment; 10 available via Emergency Use Authorization³



Inhaled lung-specific therapeutic: potential to be used in combination with other treatment modalities (e.g., antivirals) to provide additional therapeutic benefit with reduced risk of systemic immunosuppressive issues that may occur with systemic anti-inflammatories

Nezulcitinib: Randomized, double-blind, placebo-controlled Ph 2 study in hospitalized patients with COVID-19 requiring oxygen support

Part 2 Study 0188



rus 2; SOC, standard of care, includes r

Objectives

- Primary: Number of respiratory-free days from randomization through Day 28
- Secondary: Tolerability, PK
- Exploratory: Clinical status, duration of hospitalization, repeat-dose safety

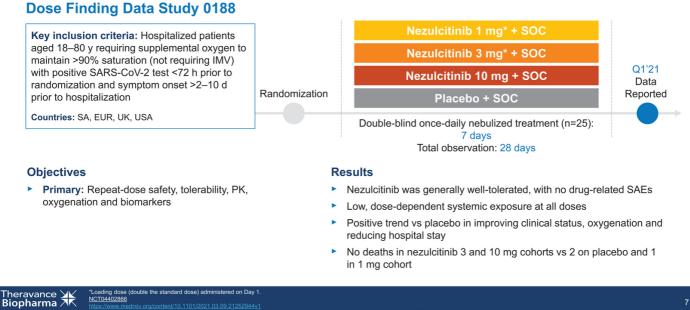
Theravance Loading dose (double the standard dose) administered on Day 1. <u>NCT04402866</u> <u>IMV</u>, invasive mechanical ventilation; PK, pharmacokinetics; SARS-CoV-2, Severe acute respiratory synd

Potential for nezulcitinib to improve lung immune system balance across disease progression

	Asymptomatic or pre-symptomatic	Mild illness		Severe illness	Critical illness	COVID recove
Features	Positive SARS-CoV-2 test; no symptoms	Mild symptoms (e.g., fever, cough, or change in taste or smell); no dyspnea	Clinical or radiographic evidence of LRT disease; oxygen saturation ≥94%	Oxygen saturation <94%; respiratory rate ≥30 breaths/min; lung infiltrates >50%	Respiratory failure, shock, and multiorgan dysfunction or failure	
Testing	Screening test; if patient has known exposure, diagnostic test	Diagnostic test	Diagnostic test	Diagnostic test	Diagnostic test	
Isolation	Yes	Yes	Yes	Yes	Yes	
Proposed disease pathogenesis		Viral replication Inflammation				
		Antiviral therapy				
		, and that anotapy				
Potential treatment		Antibody th	nerapy	Systemic anti-inflam	matory	

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Nezulcitinib: Phase 2 study in hospitalized patients with COVID-19 requiring oxygen support



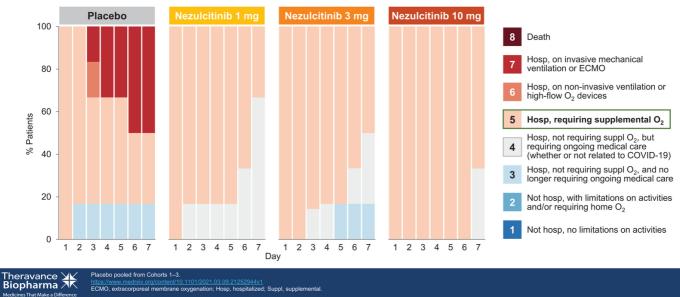
2. SOC sta

Executive Summary Overall conclusions from Nezulcitinib Phase 2 dose finding data Study 0188

Safety & Tolerability Findings	 Nezulcitinib was generally well-tolerated There were no drug-related serious adverse events One patient discontinued treatment on 10 mg dose because of isolated elevated liver function value
PK Data	Low, dose-dependent systemic exposure at all doses of nebulized nezulcitinib
Exploratory Clinical Observations	 Positive trend vs placebo in improving clinical status and reducing hospital stay No deaths in 3 mg and 10 mg cohorts vs 2 on placebo and 1 in 1 mg cohort Nezulcitinib improved oxygenation (S/F ratio) from baseline to Day 7 Nezulcitinib reduced several relevant inflammatory biomarkers vs placebo, including CRP, IL-10 and RAGE

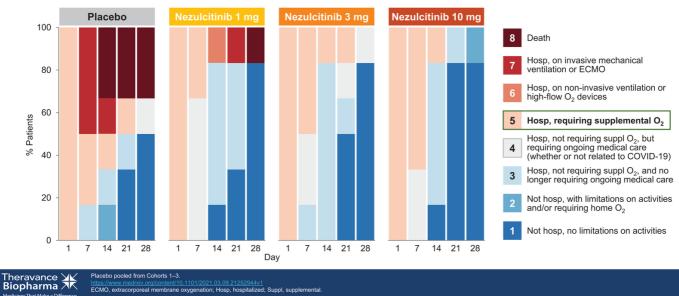
Nezulcitinib appears to stabilize clinical status within 7 days, compared to placebo

- Nezulcitinib showed a positive trend toward more clinical improvement
- 50% of placebo patients required mechanical ventilation by Day 6



Nezulcitinib shows numerical improvement in clinical status compared to placebo through 28 days

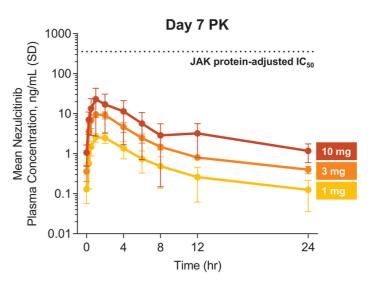
- 2 deaths on placebo and 1 death on 1 mg, but none on 3 and 10 mg groups
- More patients out of hospital and with no limitations by Day 28 with nezulcitinib than placebo



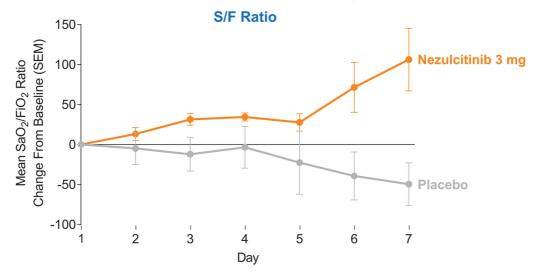
Nezulcitinib lung-selective profile demonstrates low plasma exposure

https://www.medrxiv.org/content/10.1101/2021.03.09.21252944v1 Hr, hour; IC_{sto}, inhibitory concentration at which 50% of JAK signaling is blocked; JAK, Janus kinase; PK, pharmacokinetics; SD, standard deviation

- Day 7 steady-state exposures of nezulcitinib approximately dose proportional
- Initial loading dose on Day 1 for 1 mg and 3 mg doses in order to achieve near-steady-state exposures as quickly as possible
- Plasma exposures were low relative to estimated IC₅₀ for systemic JAK inhibition



Nezulcitinib 3 mg showed positive trend in improving blood oxygenation versus placebo as measured by S/F Ratio

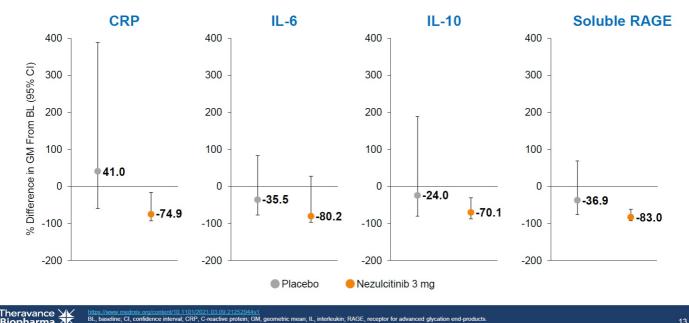


Nezulcitinib 3 mg progressed to Phase 2 Part 2 with data expected Q2 2021

https://www.medrxiv.org/content/10.1101/2021.03.09.21252944v1 SEM, standard error of mean; S/F ratio, ratio of oxygen saturation in the blood vs the flow of oxygen administered to the patient.

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Nezulcitinib 3 mg reduces relevant systemic biomarkers



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Ampreloxetine (TD-9855) Once-daily norepinephrine reuptake inhibitor to treat symptomatic neurogenic orthostatic hypotension

Reduced quality of life, significant caregiver burden and limited therapeutic options for symptomatic nOH patients







nOH is a symptom of MSA, PAF and PD 70-80% of MSA patients⁴, and 30-50% of PD patients⁵ have nOH⁶

CURRENT TREATMENT LANDSCAPE

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Current treatments (midodrine, fludrocortisone, droxidopa) have significant limitations Subset of patients None demonstrate

do not respond

durable effect

Safety profiles that limit use

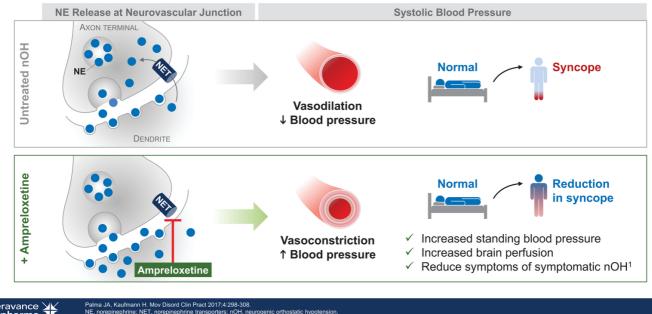
Require multiple daily dosing

om/article/1154583-overview#a6; Vanacore N, Bonifati V, Fabbrini G, Colosimo C, De Michele G, Marconi R, et al. 01 Feb. 22(1):97-9. [Medline]. 4. Mathias C, et al. J Neurol 1999;246:893-8. 5. Ha AD, et al. Parkinsonism Relat Dis

STRATEGIC Ampreloxetine 8π OPPORTUNITY

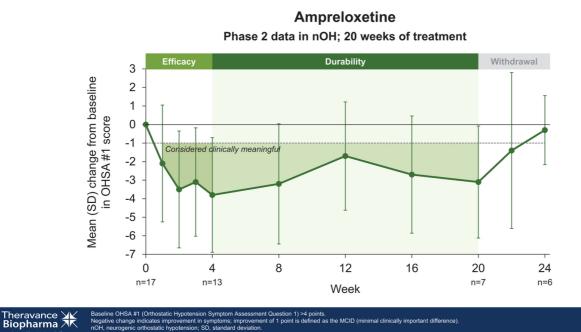
Designed to reduce symptoms of nOH by prolonging the effect of endogenous norepinephrine with the potential to provide a meaningful and durable symptom improvement to underserved patients

Designed to reduce symptoms of nOH by prolonging the effect of endogenous norepinephrine

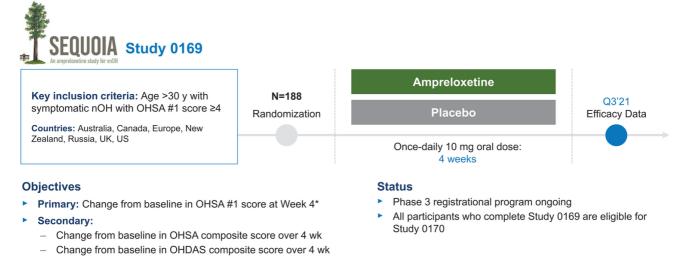


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Ampreloxetine: Potential to provide meaningful and durable symptom improvement to underserved patients



Ampreloxetine: Phase 3 registrational program Randomized, double-blind, placebo-controlled study



is 0169 and 0170; Study 171 safety data through week 26 will be included the indicates improvement in symptoms; improvement of 1 point is defined as the MCID (minimal clinically important difference).

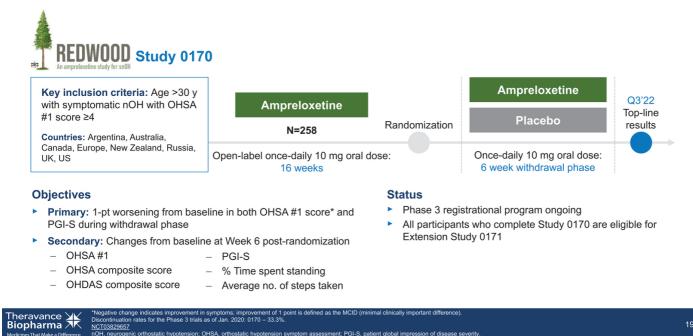
- PGI-C at Week 4
- Incidence of falls

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18

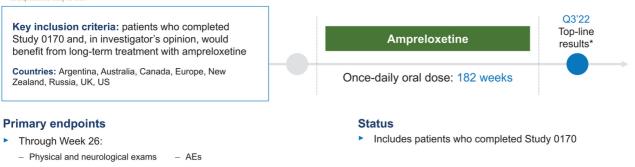
n of change, NCT0375

Ampreloxetine: Phase 3 registrational program Placebo-controlled, randomized withdrawal study



Ampreloxetine: Phase 3 registrational program 6-month safety study + 3-year optional extension





- Vital signsECGs
- Treatment compliance

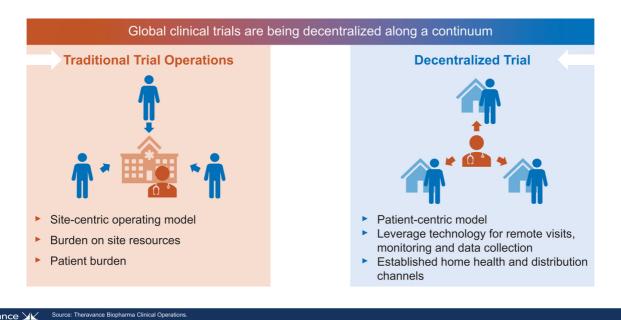
Changes from baseline in C-SSRS

- Incidence of falls
- Clinical laboratory tests
- Concomitant medications





Decentralized trials move activities from the clinic to home



Ampreloxetine: has the potential to transform Theravance Biopharma into an independent commercial biopharma

Established disease, targeted market

Established nOH treatment paradigm

nOH is included in medical treatment guidelines for PD and MSA patients; once diagnosed, patients get on drug treatment quickly

Specialist networks in place

A concentrated group of neurologists and cardiologists treat patients with nOH; 'at risk' patients already identified and managed by specialty institutions

An urgency to treat

Physicians report high urgency to treat snOH due to the high impact on patients' QoL, high risk of injury from falls and caregiver burden

ISA, multiple system atrophy; PD, Parkinson's disease; QoL, quality of life; snOH, symptomatic neurogenic orthostatic hypotensic

A strong value proposition

Manageable opportunity

TBPH's infrastructure capable of commercializing ampreloxetine in the US with limited and targeted additions to current resources

Understanding of current access barriers

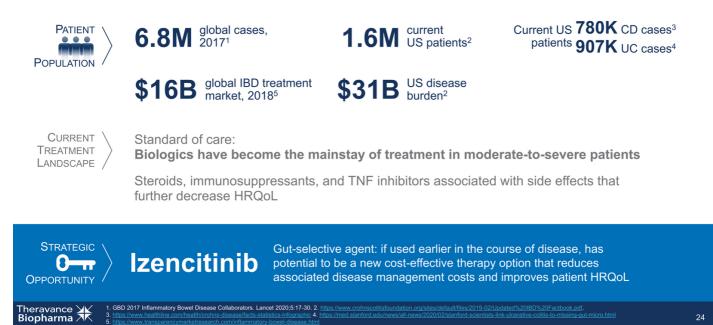
Meaningful value proposition will drive patient access; Ampreloxetine has the potential to improve the durability of treatment effect and thereby reduce costly events associated with nOH

Established patient advocacy

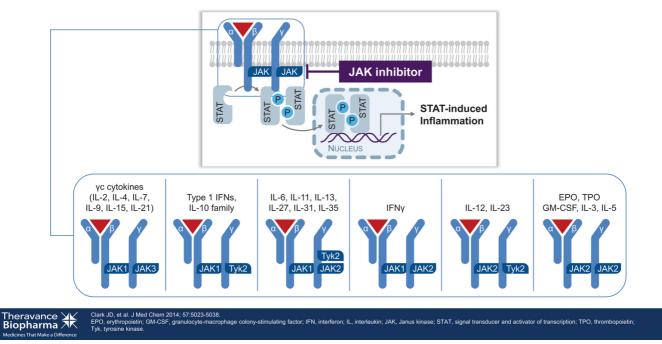
Strong message from PD and MSA advocacy groups that patients need new therapies to better manage nOH

Izencitinib (TD-1473/JNJ-8398) Oral gut-selective pan-JAK inhibitor to treat inflammatory bowel diseases

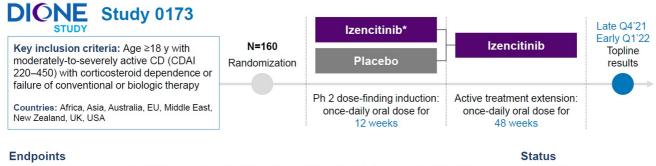
Need for new medicines to treat inflammatory bowel disease



JAK-STAT pathway: orchestrating signaling of multiple pro-inflammatory cytokines



Izencitinib: Phase 2 study in Crohn's disease

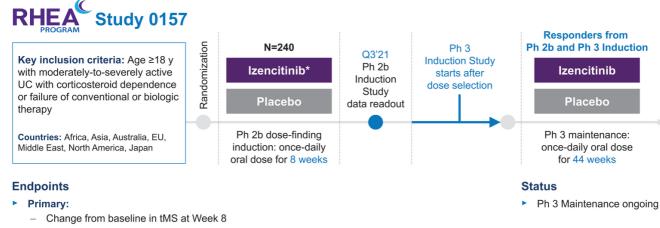


sease; CDAI, Crohn's Disease Activity Index; SES-CD, Simple Endoscopic Score for Crohn's Disease; SFAP, Stool Frequency and Abdominal Pain

- Primary: Improvement in CDAI score at week 12 in patients with moderately to severely active CD
- Exploratory:
 - Clinical response measured by CDAI at 12 weeks
 - CDAI clinical remission at 12 weeks
 - SES-CD change from baseline to Week 12
 - Endoscopic response [Time Frame: 12 weeks]
 - SFAP clinical remission [Time Frame: 12 weeks]

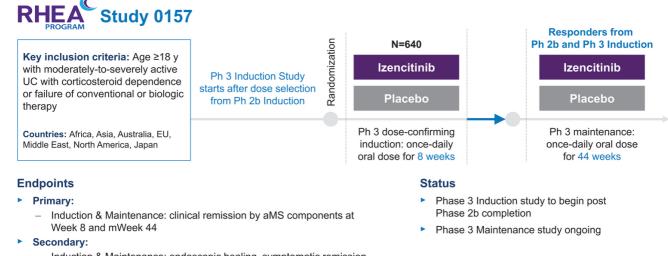
Ongoing

Izencitinib: Phase 2b Induction study in ulcerative colitis



- Secondary:
- Clinical remission by aMS components

Izencitinib: Phase 3 studies in ulcerative colitis



 Induction & Maintenance: endoscopic healing, symptomatic remission, clinical response by aMS, mucosal healing, maintenance of clinical response, corticosteroid-free remission, maintenance of clinical remission

> NCT03758443 aMS, adapted Mayo Score; mWeek, maintenance Week; UC, ulcerative colitis

Izencitinib: Phase 3 study in ulcerative colitis



Key inclusion criteria: Eligible patients from Ph 3 Maintenance Study of Protocol 0157

Countries: Africa, Asia, Australia, EU, Middle East, North America, Japan

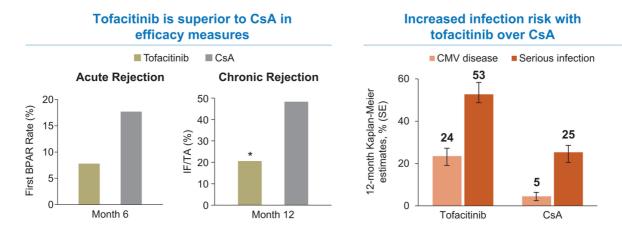
Endpoints

- Primary:
 - Assess the safety and tolerability of izencitinib administered for up to 3 years in patients with moderate-to-severe UC after participation in the Protocol 0157 Maintenance Study



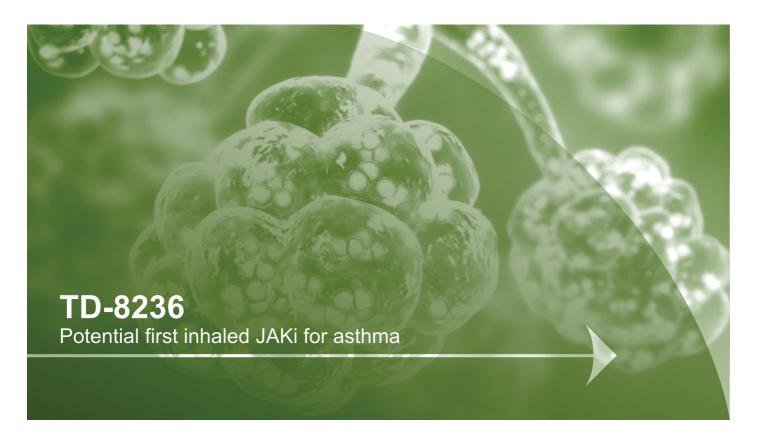
Pan-JAK inhibitors can prevent transplant rejections

Noninferiority trial of tofacitinib vs cyclosporine (CsA) in kidney transplant recipients¹



- JAK inhibition was superior to cyclosporine in prevention of acute and chronic rejections
- Serious infections increased with systemic JAK inhibitors including CMV

Theravance I. Vincenti F, et al Biopharma A BPAR, biopsy-prov



High medical and economic burden in uncontrolled asthma

PATIENT POPULATION	339M cases worldwide ¹ US cases 8% of adults 8% of children ² Moderate 16 14 Severe* 61 Healthcare utilization ³		 B US medical costs⁴ B US asthma market (October 2020)⁵
CURRENT	ICS + LABA (often fail to control disease) Approved biologics (affect subsets of patients)	JAK/STAT cytokines implicated in moderate-to-severe asthma	
Landscape /	XOLAIR (omalizumab)	T2-high	T2-low
	NUCALA (mepolizumab)	IL-4	IL-23/IL-12
	CINQAIR (reslizumab)	IL-13	IL-6
	 FASENRA (benralizumab) 	IL-5	IL-27
	DUPIXENT (dupilumab)	TSLP	IFN-γ
	Step-up for severe asthma: LTRAs, tiotropium, OCS, biologics	Bold: biologics in development or approved.	

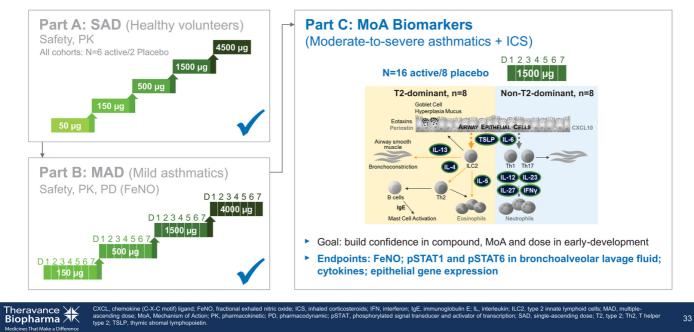
moderate-to-severe asthma regardless of T2 phenotype, including patients who remain symptomatic despite compliance on high-dose ICS

viled despite treatment. magambetov T, et al. Ann Am Thorac Soc 2018;15:348-56; 5. TBPH estimate based on sis_ITRA, leukotriene receptor antagonist; OCS, oral corticosteroid; STAT, signal Theravance Biopharma at remains uncontr 10;17:74-80. 4. Nu ng-acting 62 agon

OPPORTUNITY

TD-8236: Phase 1 clinical trial design

Parts A & B completed September 2019; Part C enrollment completed — data reported in Q4 2020



TD-8236: Positive Phase 1 trial in healthy subjects and patients with mild and moderate-to-severe asthma

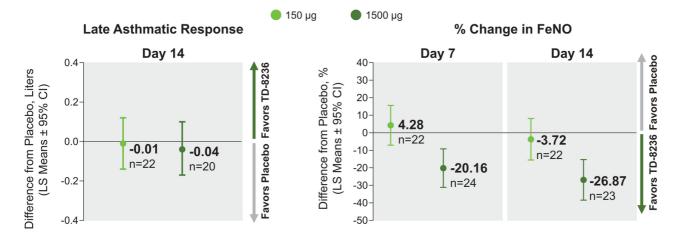
Phase 1 Profile	Healthy Volunteer Single Dose (Part A)	Mild Asthma Multiple Dose (Part B)	Moderate-to-Severe Asthma [+ ICS] Multiple Dose (Part C)
Generally well tolerated	\checkmark	\checkmark	\checkmark
Minimal systemic exposure	\checkmark	\checkmark	\checkmark
PK and PD profile consistent with once-daily dosing	\checkmark	\checkmark	\checkmark
Biologic activity in lungs of patients with asthma		✓ ↓ FeNO	✓ ↓ FeNO, pSTAT1, pSTAT6

- Biomarkers of JAK target engagement (pSTAT1 and pSTAT6) significantly reduced in lungs of T2 high and T2 low moderate/severe asthmatics on top of ICS
- Ongoing analysis of effect of TD-8236 on additional biomarkers including cytokines and gene expression

oxide; ICS, inhaled corticosteroids; JAK, Janus kinase; PK, pharmacokinetic; PD, pharmacodynamic; pSTAT, phosphorylated signal transducer and activator of transcription; T2, type 2.

No impact of TD-8236 on the Late Asthmatic Response (LAR)

Significant reductions in inflammation marker (FeNO) and favorable safety and tolerability

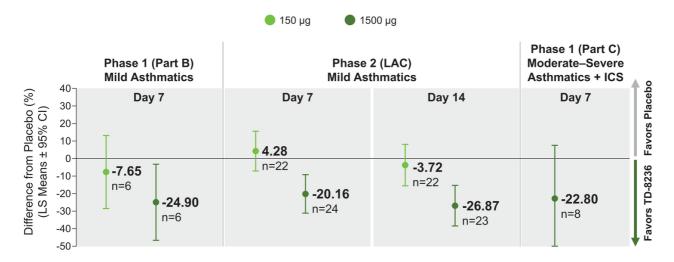


► TD-8236 was generally well tolerated as a single-daily dose administered for 14 consecutive days

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Primary Endpoint: Weighted Mean Area Under the Curve, 3–8 h. Cl. confidence interval: FeNO, fractional exhaled nitric oxide: LS. le

TD-8236 FeNO reductions consistent across Phase 1 and 2



FeNO reductions observed in moderate-to-severe asthmatics taking inhaled corticosteroids

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TD-5202

Organ-gut selective irreversible JAK3 inhibitor to treat inflammatory intestinal diseases

Celiac disease has no current treatments and serious health consequences











CURRENT TREATMENT LANDSCAPE

No approved treatment

Only available intervention is strict life-long gluten-free diet

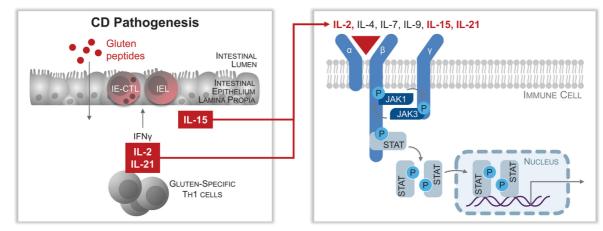
30% of diagnosed patients are poorly controlled despite best dietary efforts⁶





. .

JAK3-dependent cytokines play central role in pathogenesis of celiac disease

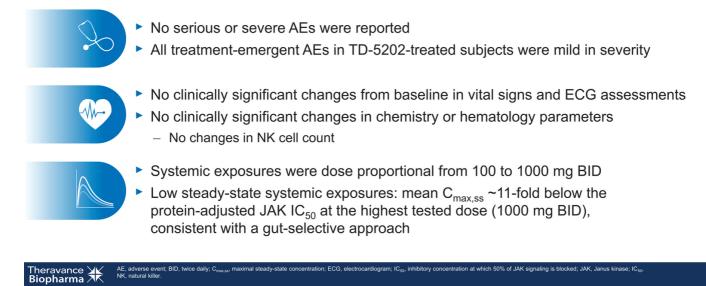


- Proof-of-relevance from recent positive Phase 2 data with systemic JAK3 inhibitor in alopecia areata, another T-cell mediated disease
- Localized JAK3 inhibition has the potential to avoid systemic immunosuppression (genetic JAK3 deficiency leads to severe immunodeficiency)

Theravance JK Figure adapted from Jabri B and Sollid L. J Immunol 2017;198:3005-14. CD, Crohn's disease; IE-CTL, intraepithelial cytotoxic lymphocyte; IEL, intraepithelial lymphocyte; IFN, interferon; IL, interfeukin; JAK, Janus kinase; STAT, signal transducer a cells.

TD-5202 First-in-human overall results summary

TD-5202: generally well-tolerated (single dose ≤2000 mg, multiple doses ≤1000 mg BID) for 10 consecutive days in healthy subjects



Inhaled ALK5i

Potential best-in-disease therapy for the treatment of idiopathic pulmonary fibrosis (IPF)

Idiopathic pulmonary fibrosis (IPF) remains a fatal chronic lung disease with limited treatment options



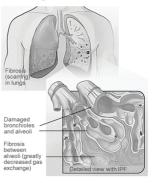




Profound dyspnea, unrelenting cough, impairment of activities of daily living

Mortality with IPF remains high

Lungs with IPF³



Current Treatment Landscape

Limited treatment options

2 currently approved therapies, with modest efficacy and poor tolerability



Inhaled ALK5i Potential first-in-class inhaled ALK5 inhibitor anti-fibrotic agent for IPF Despite treatment with the current SoC, IPF patients continue to experience disease progression and exacerbation

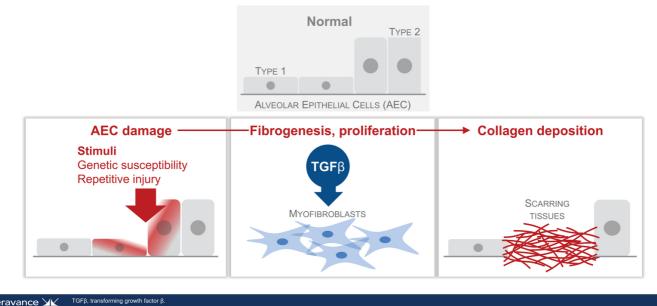
Theravance Biopharma A. Saghu G, et al. Lancet Resp. 2014; 2(7):566-572; 2. Raghu G, et al. Eur Respir J. 2016; 48(1):179-186; 3. National Heart Lung and Blood Institute (NIH), Public Domain, https://commons.wkimedia.org/wiindex.php?curid=28590103. ALK5i, transforming growth factor β receptor I kinase inhibitor; Soc, Standard of Care.

Significant opportunity remains for effective IPF treatments



Targeting the TGF β pathway

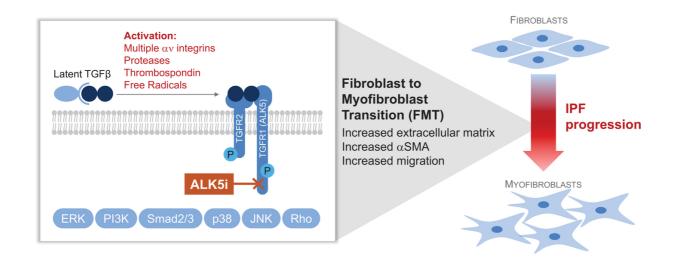
A core signaling pathway that drives fibrosis



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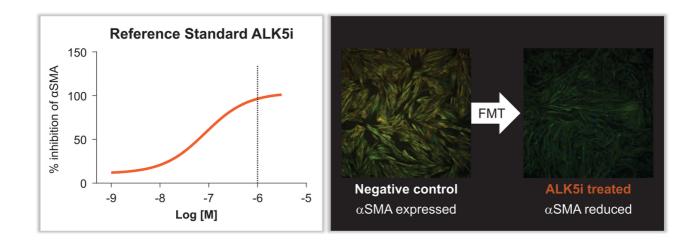
Selectively targeting the TGF^β pathway through ALK5 inhibition

Inhibiting a core signaling pathway that drives fibrosis regardless of activation mechanism



Theravance Adapted from: Neuzillet C, et al. Oncotarget 2013;57:8-94. GNA, escontor muscle activity. ERX, extracellular signat-regulated kinase; IPF, idiopathic pulmonary fibrosis; JNK, c-Jun N-terminal kinase; PI3K, phosphatidylinositol-4,5-bisphosphate 3-kinase; Smad2/3, mothers against decapentaplegic homolog 2/3; TGFR (ALK5), transforming growth factor receptor.

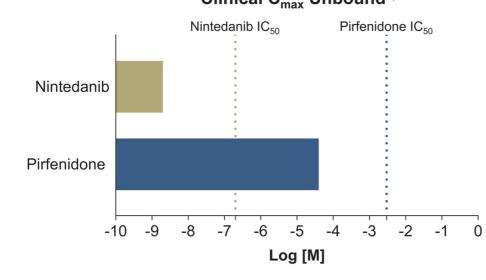
ALK5 inhibition directly interrupts FMT in IPF



r; α SMA, α -smooth muscle actin; FMT, fibroblast to myofibroblast transition

Theravance Biopharma ALK5i

Current treatment options have no effect on FMT at clinically relevant concentrations



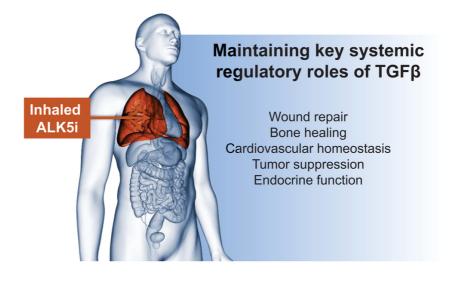
https://www.taa.gov.au/sites/dafaul/files/auspar-integantb-eatlate-fbuzze.goe.
 Ogura T, et al. Eur Respir J. 2015;45:1352-92.
 ______maximal concentration; FMT, fibroblast to myofibroblast transition; IC₅₀, half maximal inhibitory concent

Clinical C_{max} Unbound^{1,2}

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Lung selectivity avoids unwanted systemic side effects

Minimizing systemic inhibition of a cytokine essential for homeostasis





Ocular JAKi

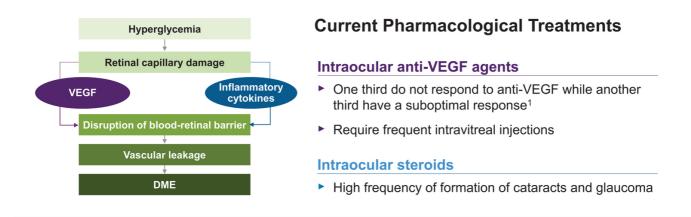
Potential best-in-disease, pan-JAK inhibitor with long-acting ocular anti-inflammatory activity

Diabetic macular edema causes blindness in diabetics



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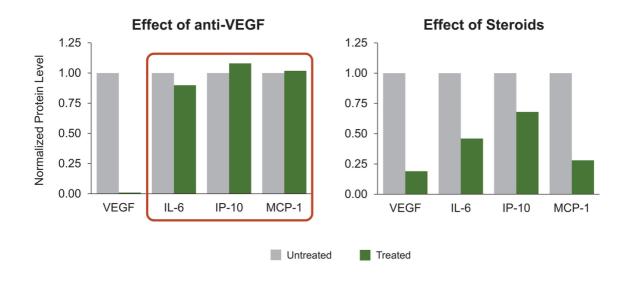
Inflammation, not just VEGF, is a key driver of DME



Need for broad, sustained release, anti-inflammatory with a safer side-effect profile

Theravance Biopharma A. Conzalez VH, et al. Am J Ophthalmol 2016;172:72.79, DME, diabetic macular edema; VEGF, vascular endothelial growth factor. Medicine: The Mas a Difference

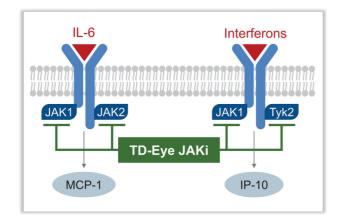
Unmet need for an anti-inflammatory drug: opportunity for eye-selective JAK inhibition



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Adapted from Sohn HJ, et. al. Am J Ophthalmol 2011; 152:686-694. IL-6. interleukin-6: IP-10. interferon y-induced protein 10: JAK, Janus kir

Ocular pan-JAK inhibition has the potential to address key disease pathways in DME

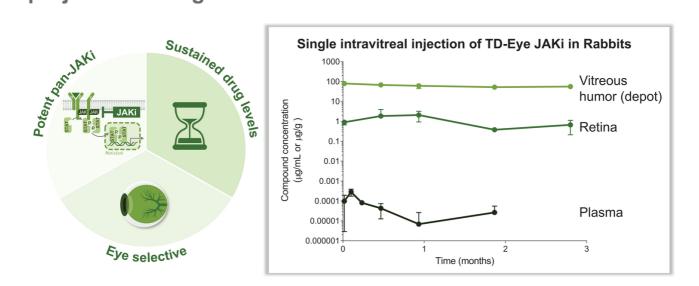


DME, diabetic macular edema; IL-6, interleukin-6; IP-10, interferon y-induced p transcription; Tyk, tyrosine kinase; VEGF, vascular endothelial growth factor. TD-EyeJAKi inhibits key DME inflammatory pathways:

- IL-6 and interferon signaling pathways in human primary cells
- IL-6 induced pSTAT3 and interferon-induced IP-10 in the back of the eye *in vivo*

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A pan-JAK inhibitor designed for eye selectivity with projected dosing interval of at least three months



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