UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 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 14, 2024

Acumen Pharmaceuticals, Inc.

(Exact name of Registrant as Specified in Its Charter)

Delaware (State or Other Jurisdiction of Incorporation) 001-40551 (Commission File Number) 36-4108129 (IRS Employer Identification No.)

427 Park St., Charlottesville, Virginia (Address of Principal Executive Offices)

22902 (Zip Code)

(434) 297-1000 (Registrant's Telephone Number, Including Area Code)

Not Applicable (Former Name or Former Address, if Changed Since Last Report)

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 Instructions 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:						

Trading Name of each exchange
Title of each class Symbol(s) on which registered

 Title of each class
 Symbol(s)
 on which registered

 Common Stock, \$0.0001 par value
 ABOS
 The Nasdaq Global Select 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 $\ oxtimes$

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. \square

Item 2.02 Results of Operations and Financial Condition.

On May 14, 2024, Acumen Pharmaceuticals, Inc. (the "Company") reported financial results and business highlights for the quarter ended March 31, 2024. A copy of this press release (the "Earnings Press Release") is furnished as Exhibit 99.1 to this Current Report on Form 8-K (this "Report") and is incorporated by reference.

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

Item 7.01 Regulation FD Disclosure.

On May 14, 2024, the Company posted an updated corporate presentation to its website at https://investors.acumenpharm.com/news-events/presentations, which the Company may use from time to time in communications or conferences. This corporate presentation was updated to, among others, indicate that the Company had initiated its Phase 2 trial of sabirnetug and update the Company's current cash position as of March 31, 2024. A copy of the corporate presentation is attached as Exhibit 99.2 to this Report.

The information in this Item 7.01 of this Report (including Exhibit 99.2), is being furnished and shall not be deemed "filed" for purposes of Section 18 of the Exchange Act, or otherwise subject to the liabilities of that Section, nor shall it be deemed incorporated by reference in any filing under the Securities Act or the Exchange Act, except as expressly set forth by specific reference in such filing. The Company's submission of this Report shall not be deemed an admission as to the materiality of any information required to be disclosed solely to satisfy the requirements of Regulation FD.

Item 9.01 Financial Statements and Exhibits.

(d). Exhibits

Exhibit No.	Description
99.1	Earnings Press Release, dated May 14, 2024
99.2	Corporate Presentation, dated May 14, 2024
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SIGNATURES

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

Acumen Pharmaceuticals, Inc.

Dated: May 14, 2024

By:

/s/ Matthew Zuga
Matthew Zuga
Chief Financial Officer and Chief Business Officer



Acumen Pharmaceuticals Reports First Quarter 2024 Financial Results and Business Highlights

- Announced initiation of ALTITUDE-AD, a Phase 2 study to investigate sabirnetug (ACU193) for the treatment of early Alzheimer's disease, in May 2024
- Initiation of a Phase 1 study to support a subcutaneous dosing option of sabirnetug expected in mid-2024
- Cash, cash equivalents and marketable securities of \$296.6 million as of Mar. 31, 2024, expected to support current clinical and operational activities into the first half of 2027
- Company to host conference call and webcast today at 8:00 a.m. ET

CHARLOTTESVILLE, Va., May 14, 2024 – <u>Acumen Pharmaceuticals, Inc.</u> (NASDAQ: ABOS) ("Acumen" or the "Company"), a clinical-stage biopharmaceutical company developing a novel therapeutic that targets toxic soluble amyloid beta oligomers (AβOs) for the treatment of Alzheimer's disease (AD), today reported financial results for the first quarter of 2024 and provided a business update.

"In the first quarter, our team remained laser-focused on the initiation of ALTITUDE-AD, our Phase 2 study investigating the efficacy and safety of sabirnetug for the treatment of early AD. We announced the first patient dosed in this study just last week. We are encouraged by the level of investigator interest in the potential of sabirnetug to offer a best-in-class therapeutic profile for patients, which is a testament to our strong Phase 1 data package and the relationships our team has built with clinical sites," Daniel O'Connell, Chief Executive Officer of Acumen. "We continue to expect to initiate a Phase 1 study with a subcutaneous form of sabirnetug in mid-2024 in an effort to extend the product profile and offer administration optionality for patients. We remain committed to delivering on our strategic priority to advance the clinical development of sabirnetug efficiently and thoughtfully."

Recent Highlights and Anticipated Milestones

Sabirnetug (ACU193) Clinical Development

- In May 2024, the Company announced the first patient dosed in ALTITUDE-AD, a Phase 2 study to investigate the clinical efficacy and safety of sabirnetug for the treatment of early AD.
- In April 2024, the Company presented biomarker, safety and target engagement analyses from the Phase 1 INTERCEPT-AD study in AD at the American Academy of Neurology Annual Meeting.
 - The results build upon Acumen's prior presentations at the AD/PD™ 2024 Annual Meeting and positive topline data first announced in July 2023, highlighting sabirnetug as the first humanized monoclonal antibody to clinically demonstrate selective target engagement of synaptotoxic AβOs. Additional information can be found here.



- · In April 2024, the Company announced a collaboration agreement with Lonza, a global partner to the pharmaceutical, biotech and nutraceutical markets.
 - The agreement covers the manufacture of sabirnetug for clinical development and commercialization, if approved. Acumen will leverage Lonza's regulatory expertise, extensive experience in antibody manufacturing, and global manufacturing network from 2,000L to 20,000L.
- The Company expects to initiate a Phase 1 study to support a subcutaneous dosing option of sabirnetug in mid-2024.

First Quarter 2024 Financial Results

- Cash Balance. As of March 31, 2024, cash, cash equivalents and marketable securities totaled \$296.6 million, compared to cash, cash equivalents and marketable securities of \$306.1 million as of December 31, 2023. The decrease in cash is related to funding ongoing operations. Cash is expected to support current clinical and operational activities into the first half of 2027.
- Research and Development (R&D) Expenses. R&D expenses were \$12.4 million for the three month period ended March 31, 2024, compared to \$8.7 million for the three month period ended March 31, 2023. The increase in R&D expenses was primarily due to increased costs related to personnel, manufacturing and materials costs, consulting, and other costs.
- **General and Administrative (G&A) Expenses.** G&A were \$5.3 million for the three month period ended March 31, 2024, compared to \$4.4 million for the three month period ended March 31, 2023. The increase in G&A expenses was primarily due to increased costs related to personnel.
- Loss from Operations. Losses from operations were \$17.8 million for the three month period ended March 31, 2024, compared to \$13.1 million for the three month period ended March 31, 2023. This increase was due to the increased R&D and G&A expenses over the prior year period.
- Net Loss. Net loss was \$14.9 million for the three-month period ended March 31, 2024, compared to \$11.3 million for the three month period ended March 31, 2023.

Conference Call Details

Acumen will host a conference call and live audio webcast today. May 14, 2024, at 8:00 a.m. ET.

To participate in the live conference call, please register using this link. After registration, you will be informed of the dial-in numbers including PIN. Please register at least one day in advance.

The webcast audio will be available via this link.

An archived version of the webcast will be available for at least 30 days in the Investors section of the Company's website at www.acumenpharm.com.

About Sabirnetug (ACU193)

Sabirnetug (ACU193) is a humanized monoclonal antibody (mAb) discovered and developed based on its selectivity for soluble amyloid beta oligomers (AβOs), which are a highly toxic and pathogenic form of Aβ, relative to Aβ monomers and amyloid plaques. Soluble AβOs have been observed to be potent neurotoxins that bind to neurons, inhibit synaptic function and induce neurodegeneration. By selectively targeting toxic



soluble AβOs, sabirnetug aims to address the hypothesis that soluble AβOs are an early and persistent underlying cause of the neurodegenerative process in Alzheimer's disease (AD). Sabirnetug has been granted Fast Track designation for the treatment of early AD by the U.S. Food and Drug Administration and was previously evaluated in a Phase 1 study in patients with early AD.

About ALTITUDE-AD (Phase 2)

Initiated in 2024, ALTITUDE-AD is a Phase 2, multi-center, randomized, double-blind, placebo-controlled clinical trial designed to evaluate the efficacy and safety of sabirnetug (ACU193) infusions administered once every four weeks in slowing cognitive and functional decline as compared to placebo in participants with early Alzheimer's disease. The study will enroll approximately 540 individuals with early Alzheimer's disease (mild cognitive impairment or mild dementia due to AD). The global study is currently enrolling at multiple investigative sites located in the United States and Canada with plans for additional sites in Europe and the UK. More information can be found on www.clinicaltrials.gov, NCT identifier NCT06335173.

About INTERCEPT-AD (Phase 1)

Completed in 2023, INTERCEPT-AD was a Phase 1, U.S.-based, multi-center, randomized, double-blind, placebo-controlled clinical trial evaluating the safety and tolerability, and establishing clinical proof of mechanism, of sabirnetug in patients with early Alzheimer's disease (AD). Sixty-five individuals with early AD (mild cognitive impairment or mild dementia due to AD) enrolled in this first-in-human study of sabirnetug. The INTERCEPT-AD study consisted of single-ascending-dose (SAD) and multiple-ascending-dose (MAD) cohorts and was designed to evaluate the safety, tolerability, pharmacokinetics (PK), and target engagement of intravenous doses of sabirnetug. More information can be found on www.clinicaltrials.gov, NCT identifier NCT04931459.

About Acumen Pharmaceuticals, Inc.

Acumen, headquartered in Charlottesville, VA, with additional offices in Indianapolis, IN and Newton, MA, is a clinical-stage biopharmaceutical company developing a novel therapeutic that targets toxic soluble amyloid beta oligomers (AβOs) for the treatment of Alzheimer's disease (AD). Acumen's scientific founders pioneered research on AβOs, which a growing body of evidence indicates are early and persistent triggers of Alzheimer's disease pathology. Acumen is currently focused on advancing its investigational product candidate, sabirnetug (ACU193), a humanized monoclonal antibody that selectively targets toxic soluble AβOs, following positive results in INTERCEPT-AD, a Phase 1 clinical trial involving early Alzheimer's disease patients. For more information, visit www.acumenpharm.com.

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995. Any statement describing Acumen's goals, expectations, financial or other projections, intentions or beliefs is a forward-looking statement and should be considered an at-risk statement. Words such as "believes," "expects," "anticipates," "could," "should," "would," "seeks," "aims," "plans," "potential," "will," "milestone" and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Forward-looking statements include statements concerning Acumen's business, and Acumen's ability to achieve its strategic and financial goals, including its projected use of cash, cash equivalents and marketable securities and the expected sufficiency of its cash resources into the first half of 2027, the therapeutic potential of Acumen's product candidate, sabirnetug (ACU193), including against other antibodies, the anticipated timeline for initiating a Phase 1 trial to support a subcutaneous dosing option of sabirnetug, and the expected use of proceeds from a credit facility. These statements are based upon the current beliefs and expectations of Acumen management, and are subject to certain factors, risks and uncertainties, particularly those inherent in the process of discovering, developing and commercializing safe and effective human therapeutics. Such risks may be amplified by the



impacts of geopolitical events and macroeconomic conditions, such as rising inflation and interest rates, supply disruptions and uncertainty of credit and financial markets. These and other risks concerning Acumen's programs are described in additional detail in Acumen's filings with the Securities and Exchange Commission ("SEC"), including in Acumen's most recent Annual Report on Form 10-K, and in subsequent filings with the SEC. Copies of these and other documents are available from Acumen. Additional information will be made available in other filings that Acumen makes from time to time with the SEC. These forward-looking statements speak only as of the date hereof, and Acumen expressly disclaims any obligation to update or revise any forward-looking statement, except as otherwise required by law, whether, as a result of new information, future events or otherwise.

CONTACTS:

Investors:

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Media: AcumenPR@westwicke.com



Acumen Pharmaceuticals, Inc. Condensed Balance Sheets (in thousands, except share and per share data)

		March 31, 2024		December 31, 2023
		(unaudited)		
ASSETS				
Current assets				
Cash and cash equivalents	\$	46,930	\$	66,886
Marketable securities, short-term		205,582		176,636
Prepaid expenses and other current assets		3,319		3,093
Total current assets		255,831		246,615
Marketable securities, long-term		44,108		62,553
Right-of-use asset		353		381
Restricted cash		234		233
Property and equipment, net		117		122
Other assets		324		221
Total assets	\$	300,967	\$	310,125
LIABILITIES AND STOCKHOLDERS' EQUITY				
Current liabilities				
Accounts payable	\$	3,079	\$	1,379
Accrued clinical trial expenses		2,367		4,387
Accrued expenses and other current liabilities		2,905		6,339
Finance lease liability, short-term		-		756
Operating lease liability, short-term		121		110
Total current liabilities		8,472		12,971
Operating lease liability, long-term		252		284
Debt, long-term		30,209		29,897
Total liabilities		38,933		43,152
Commitments and contingencies				
Stockholders' equity				
Preferred stock, \$0.0001 par value; 10,000,000 shares authorized and no shares issued and outstanding as of March 31, 2024 and December 31, 2023		_		_
Common stock, \$0.0001 par value; 300,000,000 shares authorized as of March 31, 2024 and December 31, 2023; 60,079,778 and 57,910,461 shares issued and outstanding as of March 31, 2024 and December 31, 2023		6		6
Additional paid-in capital		499,843		489,453
Accumulated deficit		(237,671)		(222,798)
Accumulated other comprehensive income (loss)		(144)		312
Total stockholders' equity		262,034		266,973
Total liabilities and stockholders' equity		300,967	\$	310,125
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Acumen Pharmaceuticals, Inc. Condensed Statements of Operations and Comprehensive Loss (in thousands, except share and per share data) (unaudited)

Three Months Ended March 31, 2024 2023 Operating expenses Research and development \$ 12,449 Ś 8,713 4,422 13,135 General and administrative 5,325 17,774 Total operating expenses Loss from operations (17,774) (13,135) Other income (expense) Interest income 4,005 1,832 Interest expense (1,000) Change in fair value of embedded derivatives (50) Other expense, net (54) (4) Total other income 2,901 1,828 Net loss (14,873) (11,307) Other comprehensive gain (loss) Unrealized gain (loss) on marketable securities (456) 227 Comprehensive loss (15,329) (11,080) (0.28) (0.25) Net loss per common share, basic and diluted Weighted-average shares outstanding, basic and diluted 59,812,000 41,025,062



Acumen Pharmaceuticals, Inc. Condensed Statements of Cash Flows (in thousands) (unaudited)

Three Months Ended March 31, 2024 2023 Cash flows from operating activities \$ (14,873) \$ (11,307) Net loss Adjustments to reconcile net loss to net cash used in operating activities: 14 Depreciation 16 Stock-based compensation expense 2.484 1,390 Amortization of premiums and accretion of discounts on marketable securities, net (1,763) (334) Change in fair value of embedded derivatives 50 Amortization of right-of-use asset 28 38 Realized gain on marketable securities (2) _ Non-cash interest expense 268 Changes in operating assets and liabilities: Prepaid expenses and other current assets (226) (899) Other assets 35 (44) Accounts payable 1,700 (878) Accrued clinical trial expenses (2,020) 2,486 Accrued expenses and other current liabilities (3,512) (603) Finance lease liability (23) Operating lease liability (21)(38) Net cash used in operating activities (17,859) (10,175) Cash flows from investing activities Purchases of marketable securities (45.292)(52,131)Proceeds from maturities and sales of marketable securities 36,100 10,204 Purchases of property and equipment (11) Net cash used in investing activities (9,203) (41,927) Cash flows from financing activities Proceeds from issuance of common stock, net of issuance costs 7,938 Payment for financing lease (739) Payments for deferred offering costs (60) Repurchase of common shares to pay employee withholding taxes (32) Net cash provided by financing activities 7,107 Net change in cash and cash equivalents and restricted cash (52,102)(19.955) 67,119 130.101 Cash and cash equivalents and restricted cash at the beginning of the period Cash and cash equivalents and restricted cash at the end of the period 47,164 77,999

Exhibit 99.2



Corporate Presentation

May 2024

Forward-Looking Statements

This presentation contains forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995. Any statement describing Acumen's goals, expectations, financial or other projections, intentions or beliefs is a forward-looking statement and should be considered an at-risk statement. Words such as "believes," "expects," "anticipates," "could," "would," "seeks," "aims," "plans," "potential," "will" and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Forward-looking statements include statements concerning Acumen's business, and Acumen's ability to achieve its strategic and financial goals, including its projected use of cash, cash equivalents and marketable securities and the expected sufficiency of its cash resources into the first half of 2027, the therapeutic potential of Acumen's product candidate, sabirmetry (ACU193), including against other antibodies, and the anticipated timeline for initiating a Phase 1 trial to support a subcutaneous dosing option of ACU193. These statements are based upon the current beliefs and expectations of Acumen management, and are subject to certain factors, risks and uncertainties, particularly those inherent in the process of discovering, developing and commercializing safe and effective human therapeutics. Such risks may be amplified by the impacts of the COVID-19 pandemic. These and other risks concerning Acumen's programs are described in additional detail in Acumen's filings with the Securities and Exchange Commission ("SEC"), including in Acumen's most recent Annual Report Form 10-K and future filings and reports by Acumen. Copies of these and other documents are available from Acumen and Acumen makes from time to time with the SEC. These forward-looking statements speak only as of the date hereof, and Acumen expressly disclaims any obligation to update or revise any forward-looking statement, except as otherwise required by law, whether, a





Advancing a Potential Best-In-Class Antibody Targeting Toxic Amyloid Beta Oligomers (AβOs) for Early Alzheimer's Disease (AD)



Large market in need of additional treatment options



Sabirnetug (ACU193): monoclonal antibody (mAb) highly selective for toxic ABOs



Positive Phase 1 clinical trial results presented in 2H 2023



Experienced leadership team with extensive AD drug development experience



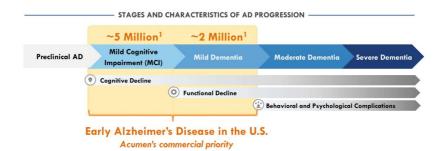
Strong
balance sheet
supporting
clinical
development
plans for
sabirnetug



Phase 2 (IV) initiated; expect to initiate Phase 1 (subcutaneous) study in mid-2024

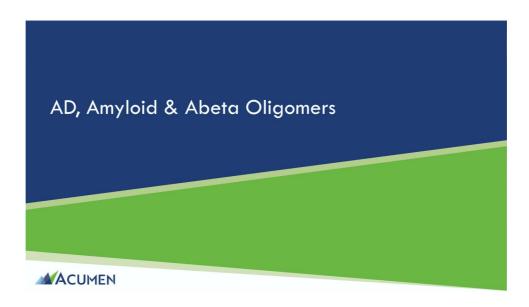


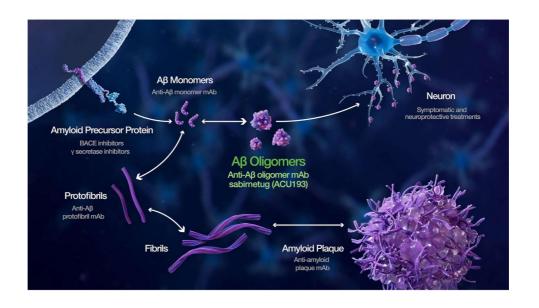
Early AD Patient Population Represents Significant Market Opportunity



Uptake of first-generation, disease modifying, anti-amyloid beta treatment options is expected to increase, while significant unmet need and room for improvement will persist

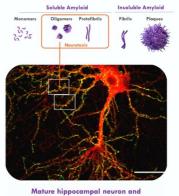
1. 2021 Allorements Autocidenon





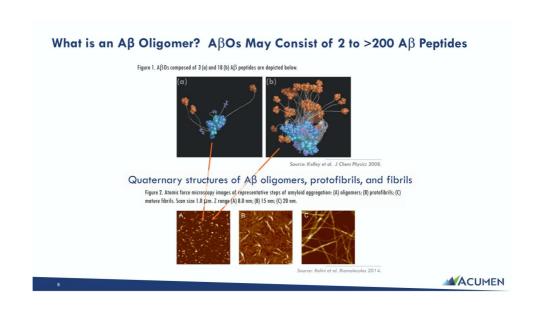
Amyloid Beta Oligomers (ABOs) are Widely Recognized as Highly Toxic Agents in AD Pathophysiology

- → Impair synaptic function
- Contribute to impairment of memory and cognition²
- ➡ Induce tau hyperphosphorylation³



Mature hippocampal neuron and toxic AβOs bound to dendritic spines

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Sabirnetug's High Selectivity for Toxic ABOs May Provide Meaningful Cognitive Efficacy and Improved Safety



Humanized, affinity matured mAb developed to target toxic Aβ oligomers

- > 500-fold greater selectivity for A β Os over A β monomers
- \geq 85-fold greater selectivity for ABOs over AB fibrils

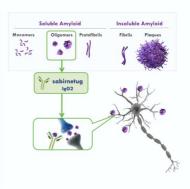
IgG2 subclass mAb with reduced effector function

Sabirnetug discovered in collaboration with Merck & Co. Acumen holds exclusive program rights with no future financial or other obligations due to Merck

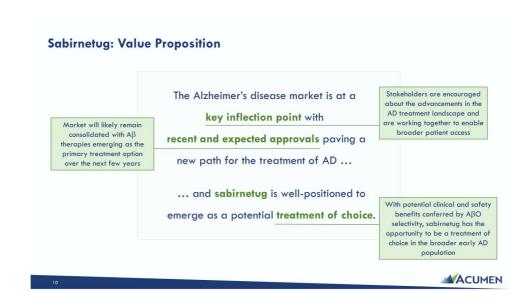
Encouraging FDA Interactions

FDA Fast Track designation for the treatment of early Alzheimer's disease

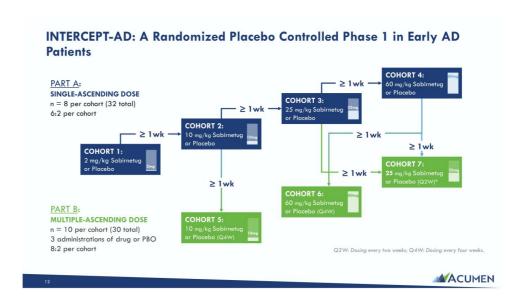
FDA End of Phase 2 meeting in 4Q 2023







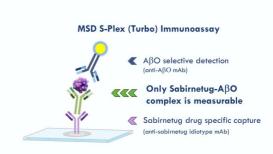




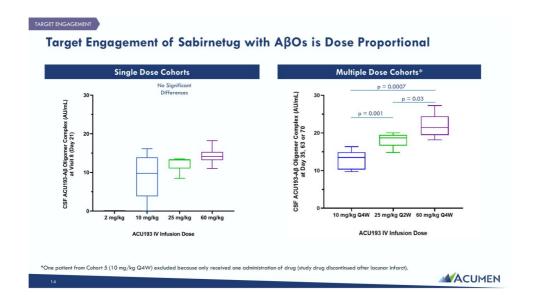
TARGET ENGAGEMENT

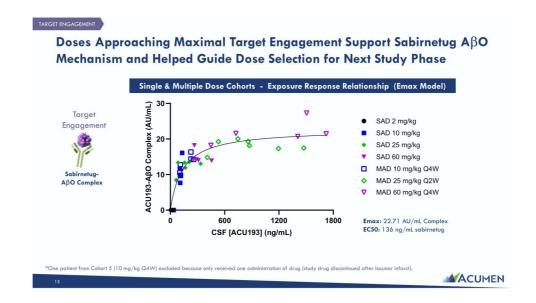
Target Engagement Assessed by Measuring Sabirnetug-A β O Complex in CSF

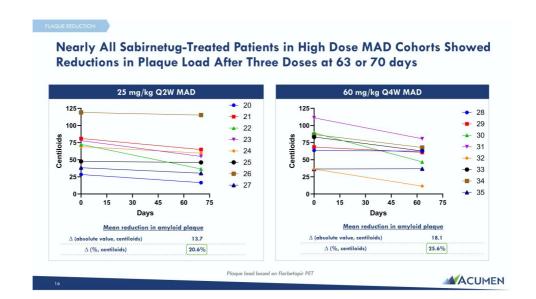
- Novel assay configuration tailored to selectively detect sabirnetug-ABO complex in CSF as direct measure of target engagement
- Translated for clinical use from a preclinical assay developed by Merck that showed sabirnetug engages target AβOs in transgenic mouse brain (tg2576) in dose dependent manner

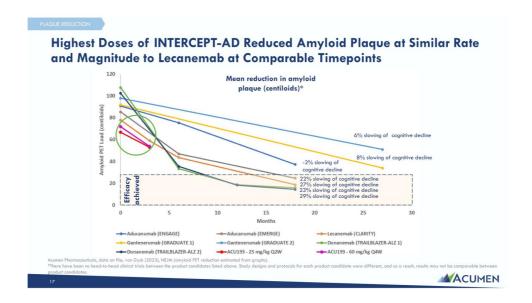




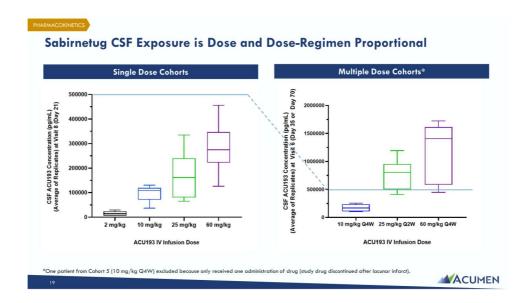


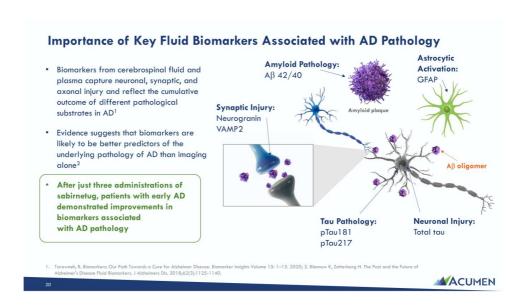


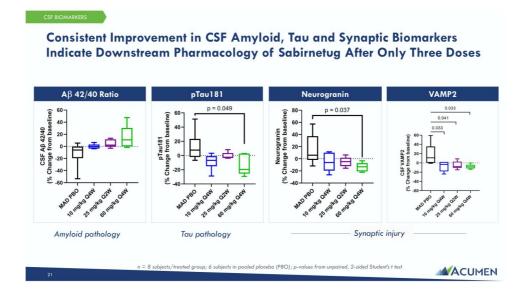




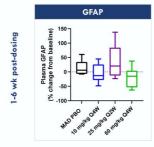


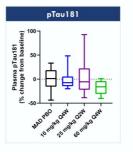


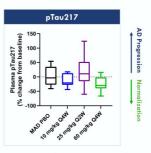




Trend Toward Normalizing Plasma Biomarkers with 10 mg/kg and 60 mg/kg







- QAW groups were lower than placebo

 More impact to fluid biomarkers was observed with longer dosing duration

 The 25 mg/kg Q2W cohort differed in dose and sample timing, with drug on board for less time than the 10 mg/kg

 & 60 mg/kg Q4W cohorts

ated group; 6 subjects in pooled placebo (PBO); p-values from unpaired, 2-sided Student's t test





Total ARIA-E cases, or ~10%

Cases of ARIA-E in ApoE4 homozygotes N=6

Deaths, SAEs Related to Study Drug

- 10 mg/kg Q4W: 1 asymptomatic case
- 25 mg/kg Q2W: 1 asymptomatic case
- 60 mg/kg Q4W: 2 asymptomatic cases; 1 symptomatic case

√ No ARIA-E observed in ApoE4 homozygotes (n=6), despite comprising 13% of study

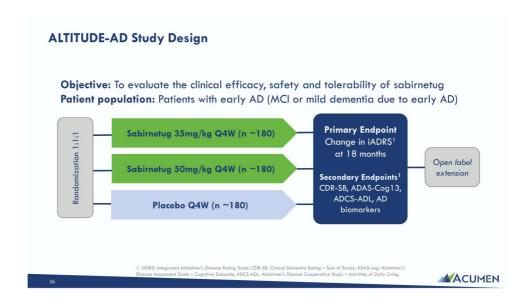
- Differentiated from other antibodies that have ARIA-E rates ${\sim}30\%$ to ${\sim}40\%$ in participants who are E4-homozygotes
- ✓ Broad therapeutic index with convenient monthly dosing
- Safety profile may support attractive benefit/risk option for large portion of patients



INTERCEPT-AD Phase 1 Data Support Potential for Sabirnetug to Offer **Best-in-Class Efficacy and Safety** Key Takeaways from INTERCEPT-AD ✓ First mAb to demonstrate selective target engagement of A β Os (most toxic form of A β) **Potential for** ✓ Rapid, significant plaque reduction comparable to the current Differentiated market front-runners at similar timepoints Efficacy \checkmark Improvement of AD biomarkers in CSF and plasma are a strong indication of downstream effects ✓ Compelling safety profile with low incidence of ARIA-E **Potential for** ✓ Absence of ARIA-E observed in ApoE4 homozygotes **Differentiated** Safety \checkmark Broad therapeutic index with convenient monthly dosing

ACUMEN





Simulated CSF Target Engagement at Steady-State for ALTITUDE-AD Doses CSF target engagement was simulated at a candidate list of doses given Q4W at steady-state Platent Perceretic 50% Stringting CHW Stringting CHW Stringting CHW Ph2 Dosing Strategy (ALTITUDE-AD) lower dose: 35 mg/kg Q4W upper dose: 50 mg/kg Q4W Notable diminishing differentiation as dose increases Noses were selected with peak-trough variation in mind: select doses based on trough (end of dosing interval) CSF engagement TIME Regimen 10 mg/kg Q4W 22 mg/kg Q4W 35 mg/kg Q4W 45 mg/kg Q4W 55 mg/kg Q4W 60 mg/kg Q4W CARREST CROSCIPLAE, D. A. Rights Selected.

Sabirnetug Subcutaneous Formulation Under Development in Collaboration with Halozyme

Potential to Broaden Patient Access and Increase Treatment Convenience



- Announced partnership with Halozyme in November 2023 to develop subcutaneous dosing option for sabirnetug
- Halozyme's drug delivery technology, ENHANZE®, is commercially validated in seven approved therapies, with global collaborations covering more than 60 therapeutic targets
- Current sabirnetug potential target product profile inclusive of no more than single weekly injection

Plan to initiate Phase 1 bioavailability study in mid-2024 comparing the pharmacokinetics of subcutaneous forms of sabirnetug to the IV form







Sabirnetug IP & Market Exclusivity

- Exclusive, perpetual, irrevocable, worldwide, royalty-free license from Merck to its Amyloid Derived Diffusible Ligand (ADDL) IP including issued sabirnetug patents
- Sabirnetug Global IP estate:
 - ✓ Issued patents in 19 countries
 - ✓ Composition of matter patents and methods of use run into July 2031
 - ✓ Patent term extensions may be available, 3-5 years depending on jurisdiction
- Biologics market exclusivity is expected for sabirnetug as a novel biologic drug
 - ✓ US provides 12 years market exclusivity for novel biologics
 - ✓ Europe provides 10 years of market exclusivity for novel biologics

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Summary

Key Takeaways

- ✓ Significant and growing Alzheimer's population in need of additional treatment options
- ✓ Sabirnetug demonstrates high selectivity for toxic AβOs in AD patients
- Highly experienced clinical, regulatory and development leaders driving sabirnetug 's development
- Positive Phase 1 data strengthen potential for sabirnetug to offer best-in-class efficacy and safety

Next Steps

Initiated ALTITUDE-AD clinical study in May 2024

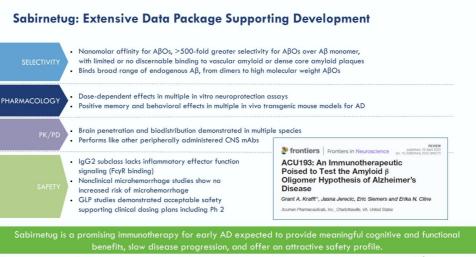
Two treatment arms versus placebo: 50 mg/kg Q4W and 35 mg/kg Q4W

Anticipate initiation of Phase 1 subcutaneous clinical study in mid-2024

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Sabirnetug is the First mAb Developed to Selectively Target AβOs
Highly selective for Aβ oligomers versus Aβ monomers

Sabirnetug Selectivity

Sabirnetug Selectivity in presence of 5μM monomeric Aβ

Aβω Monomeri (C₁₉= 5μM

Sym-AβO (C₁₉ = 9 nM (monomer equivalent)

ACU193: (C₁₉= 15.4nM

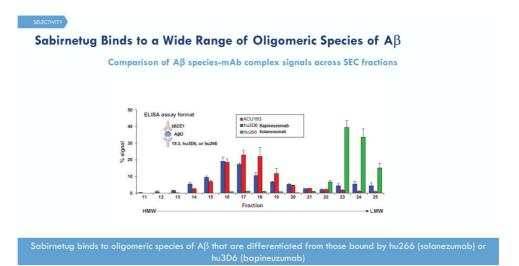
ACU193: Aβω: (C₁₉= 15.3nM

ACU193: Aβω: (C₁₉= 15.3nM

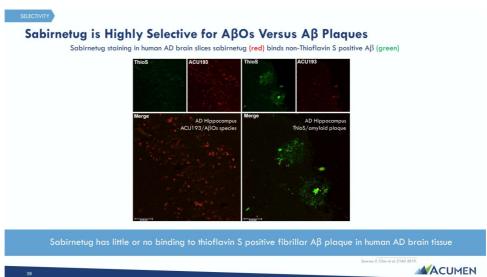
Even in the presence of a large excess of Aβ monomer, binding of sabirnetug to AβOs is unchanged

Sabirnetug selective for binding to A β Os is preserved even in the presence of a large excess of A β monomers – such as what is present in the brain, thus limiting 'target distraction'

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AβOs Bind to Neurons and are Toxic; Mouse Analogue of Sabirnetug Prevents Toxicity After binding to neurons, AβOs disrupt Long Term Potentiation (LTP) and cause pathologic increases in intracellular calcium that is destructive to cells. ACU3B3 prevents AβO inhibition of hippocampal LTP ex vivo Aβ₂₁(50 nM) + Aβ₂₂(50 nM) + ACU3B3 (100 pM) ACU3B3 (100 pM)

ACU3B3 prevents changes in aberrant neuronal activity thought to underlie memory loss in AD and prevents A β O mediated disruption of calcium homeostasis in neuronal cultures



