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This presentation concerns drug candidates, some of which are undergoing nonclinical studies and others of which are under clinical investigation, and all of which have not yet been approved for marketing by the U.S. Food and Drug Administration. These drug candidates are currently limited by federal law to investigational use, and no representation is made as to their safety or effectiveness for the purposes for which they are being investigated.



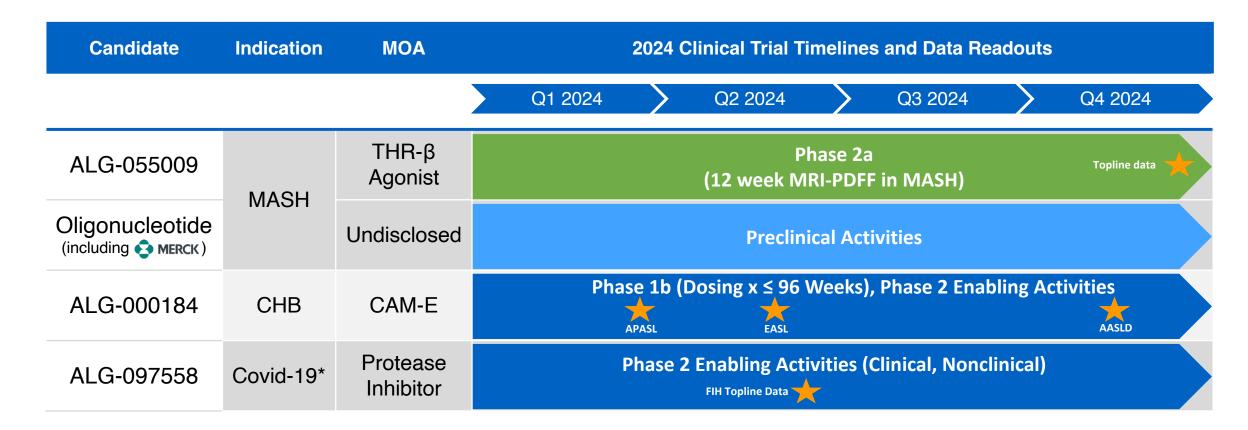
Aligos Investment Thesis

- Aligos has decades of drug development experience in medicinal chemistry and liver/viral diseases
- ALG-055009 for Metabolic Dysfunction-Associated Steatohepatitis (MASH)
 - Thyroid hormone receptor beta (THR-β) is a clinically validated mechanism (MDGL)
 - ALG-055009 has enhanced pharmacologic properties vs. competitor THR-β agonists
 - Phase 1 data: linear and non-variable PK, well-tolerated, with expected thyromimetic effects
 - Phase 2a dosing with topline data expected Q4 2024
- ALG-000184 for Chronic Hepatitis B (CHB)
 - ALG-000184 (CAM-E) has enhanced pharmacologic properties and is a best/first-in-class molecule
 - Demonstrated greater DNA suppression compared to standard of care (NAs)
 - Dosing ongoing in 96-week Ph1b cohorts with interim readouts expected at APASL, EASL, AASLD
 - Phase 2 enabling activities ongoing
 - Regulatory discussions underway (superior chronic DNA suppression)

As of 12/31/23 - Cash, cash equivalents and investments were \$135.7M. Projected runway through the end of 2025



Aligos Development Portfolio Multiple Milestones Anticipated in 2024



*Our Covid-19 protease inhibitor programs are partly funded (>\$12M USD awarded) by the NIH and NIAID's AVIDD Centers for Pathogens of Pandemic Concern program through the MAVDA consortium and our recently awarded NIAID Contract.





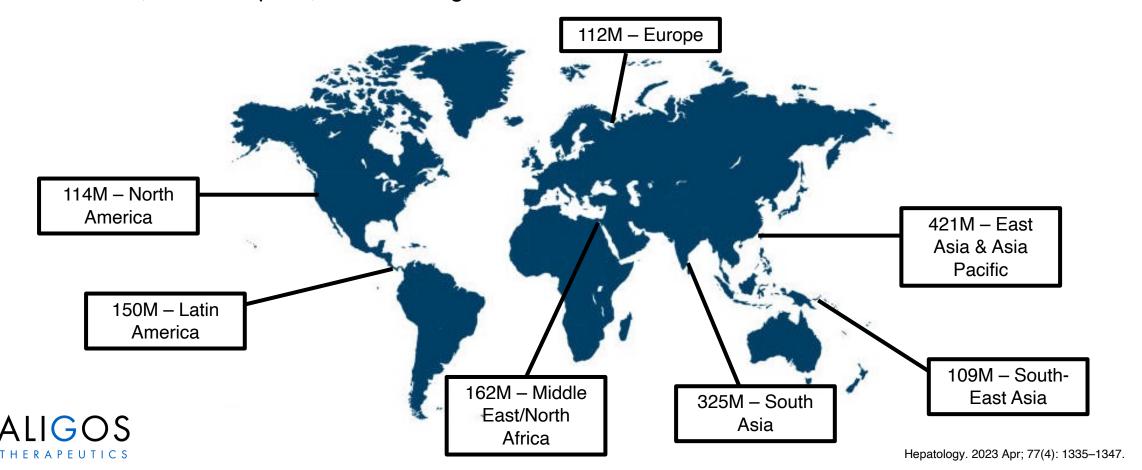
MASH

- Epidemiology, Pathogenesis
- Competitive Landscape



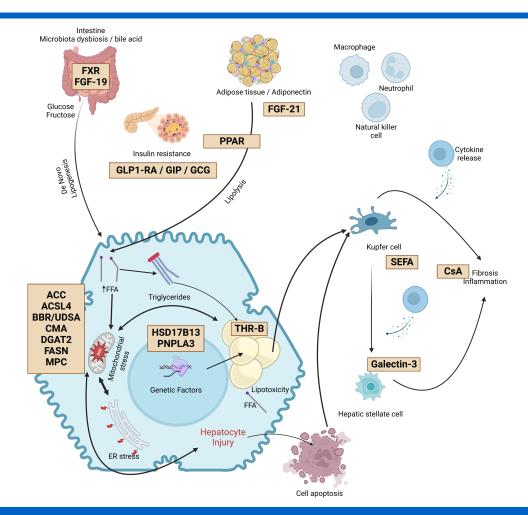
MASLD/ MASH A Global Disease with Limited Treatment Options

- 1.66B people worldwide living with MASLD/MASH; the highest prevalence in East Asia/Asia Pacific and South Asia
- Global prevalence is 30% and a leading cause of liver-related morbidity including cirrhosis, hepatocellular carcinoma, liver transplant, and end-stage liver disease



MASH Pathogenesis

Fatty acids = primary source of excess energy supply (from de novo lipogenesis & lipolysis) **Lipotoxic Species Liver Injury** Endoplasmic reticulum stress Mitochondrial dysfunction Pro-inflammatory cytokines release **Apoptosis**



MASH biology is complex with multiple therapeutic approaches being evaluated; combination regimens may be required



THR-β is a Differentiated Mechanism in Late-Stage Clinical Development

GLP-1

Pros

 Demonstrated clinical success in MASH resolution and weight loss in Ph2

Cons

- Injectable
- GI tolerability issues
- No clinical evidence of fibrosis improvement presented to date

FGF21

Pros

 Demonstrated clinical success in MASH resolution <u>and</u> fibrosis improvement in Ph2

Cons

- Injectable
- GI tolerability issues
- Bone mineral density issues

PPAR

Pros

- Demonstrated clinical success in MASH resolution <u>and</u> fibrosis improvement in Ph2
- Oral

Cons

- GI, weight gain, and other tolerability issues
- Liver toxicity

FASN

Pros

- Demonstrated clinical success in MASH resolution <u>and</u> fibrosis improvement in Ph2
- Oral

Cons

 Poor tolerability demonstrated to date: alopecia, dry skin, dry eyes, etc.

THR-β

Pros

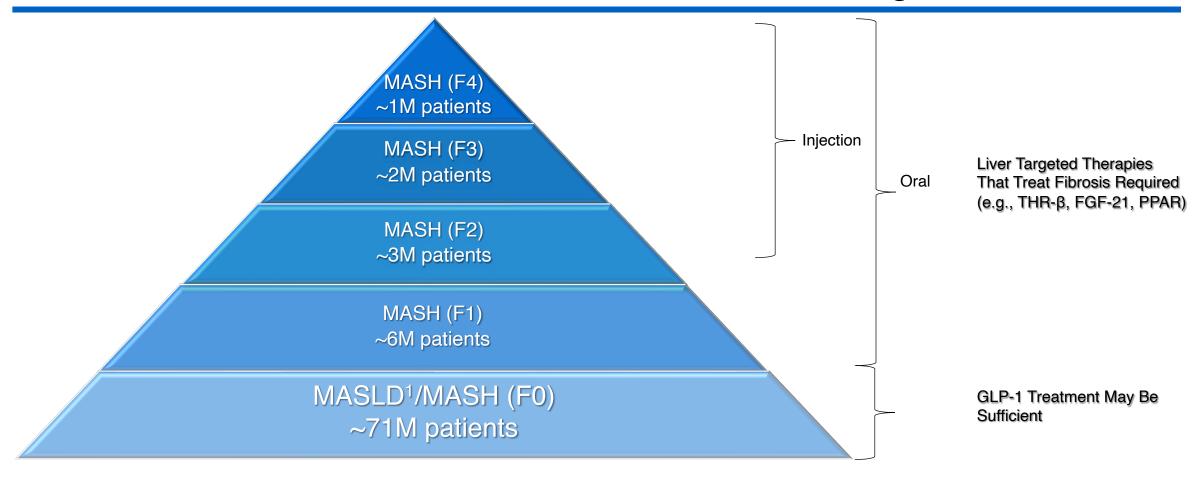
- Demonstrated clinical success in MASH resolution <u>and</u> fibrosis improvement in Ph3
- Oral
- · Generally well tolerated
- Cost of goods

Cons

 1st gen compounds not reaching full efficacy potential



MASLD/MASH Potential Future Treatment Paradigm

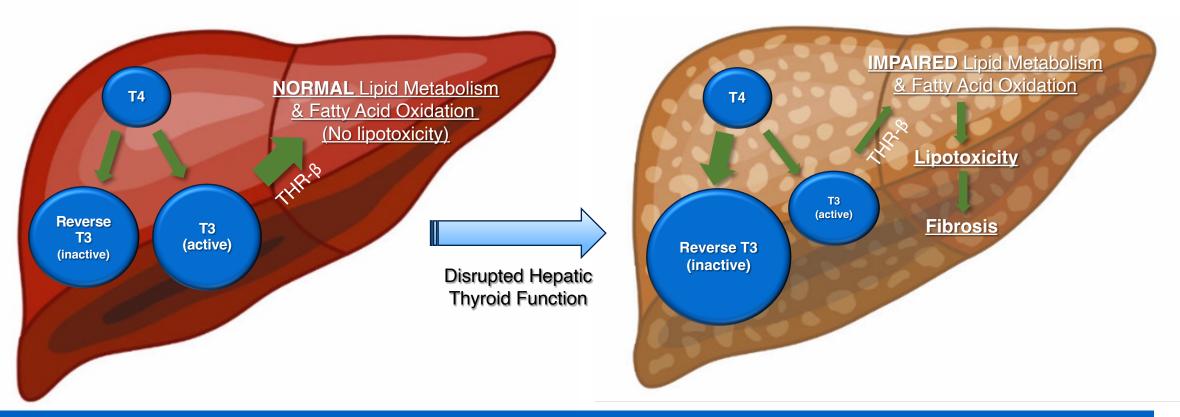


Liver-targeted therapies, likely in combination, required for F1-F4 MASH patients for whom typical lifestyle modifications and/or comorbidities treatments are insufficient



Role of Hepatic Thyroid Dysfunction in MASLD/MASH Pathogenesis

<u>Healthy Liver</u> <u>Steatotic Liver</u>



Hepatic hypothyroidism results in reduced active T3 production, allowing increased production of pro-inflammatory lipotoxic fat that causes hepatocellular injury/death, fibrosis, and cancer





ALG-055009: Small molecule THR-β agonist



ALG-055009

A Potential Best-in-Class THR-β Agonist for MASH

- Discovered by Aligos; issued US patent expires 2040
- Purpose-built with enhanced pharmacologic properties
 - 5-50x fold more potent
 Vs. competitor THR-β agonists
 - More β selective
 - Optimized for PK

Phase 1 highlights

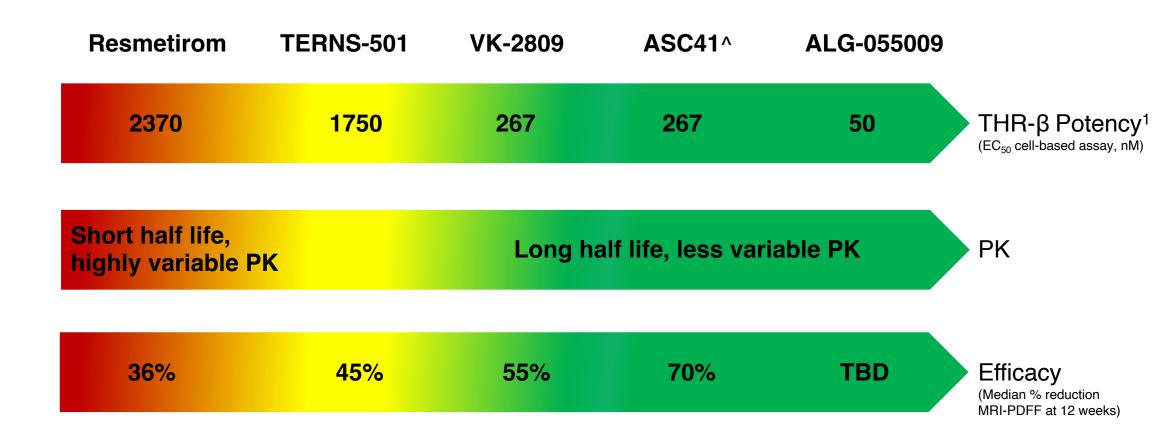
- PK dose proportional, low variability, $t_{1/2} \sim 20$ hours (enhanced vs. resmetirom)
- Safety well tolerated without clinical safety signals
- Pharmacodynamics expected thyromimetic effects (e.g., dose proportional increases in SHBG, decreases in lipids)

Phase 2a HERALD study

- Evaluating 4 dose levels vs. placebo x 12 weeks safety, PK, PD (MRI-PDFF)
- Dosing ongoing with topline data expected Q4 2024



Enhanced Potency, PK Correlated with Efficacy

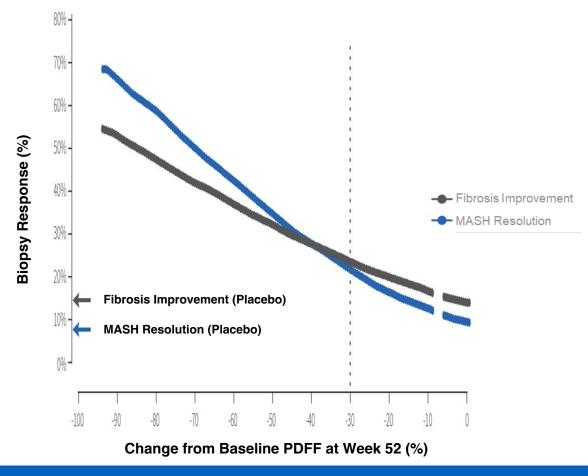


Best-in-class potency, PK of ALG-055009 may result in best-in-class efficacy



Resmetirom Phase 3 Data

MRI-PDFF and Liver Biopsy Correlation



THR-β induced MRI-PDFF de-fatting strongly correlated with histologic improvement



ALG-055009 Phase 1 Study Design

Part 1: Single Ascending Dose (SAD)

N = up to 64 Healthy Volunteers

N = 8 per Cohort, N = 6 ALG-055009 and N = 2 Placebo

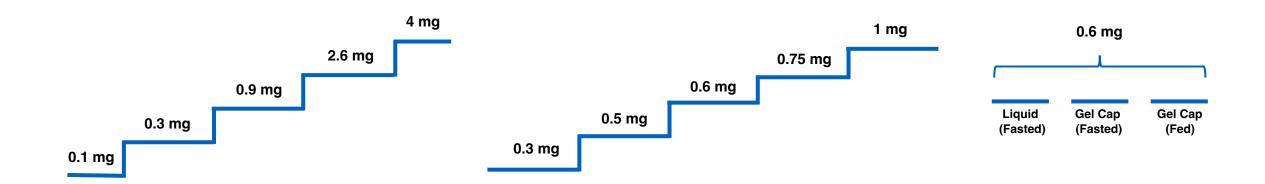
Part 2: Multiple Ascending Dose (MAD) - Dosing PO QD X 14 days

N = up to 80 Subjects with Hyperlipidemia

N = 10 per Cohort, N = 8 ALG-055009 and N = 2 Placebo

Part 3: Relative Bioavailability, Food Effect (Gel Cap)

N = 10 Healthy Volunteers





Study ALG-055009-301

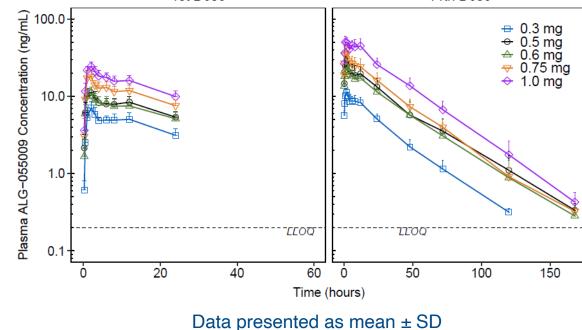
Phase 1 Highlights: Doses Well Tolerated with Favorable PK

<u>Single Ascending Dose - PK, Safety, Biomarkers</u>

- Oral doses evaluated: 0.1, 0.3, 0.9, 2.6, 4.0 mg
- PK: dose proportional, with low variability
 - $t_{1/2}$ = 20-24 hours (supports once daily (QD) dosing)
- Safety: well tolerated
 - No serious adverse events (SAEs), Grade ≥3 treatment emergent adverse events (TEAEs), or clinical hyper/hypothyroidism
- **Biomarkers:** expected thyromimetic effects observed

Multiple Ascending Dose - PK, Safety

- Oral doses evaluated: 0.3, 0.5, 0.6, 0.75, 1.0 mg QD x 14 d
- **PK:** dose-proportional, low variability (≤30%), 2x accumulation
- Safety: well tolerated
 - No SAEs, discontinuations, or clinical hyper/hypothyroidism
 - All TEAEs Grade ≤2
 - No concerning labs, ECGs, vital signs, physical examinations



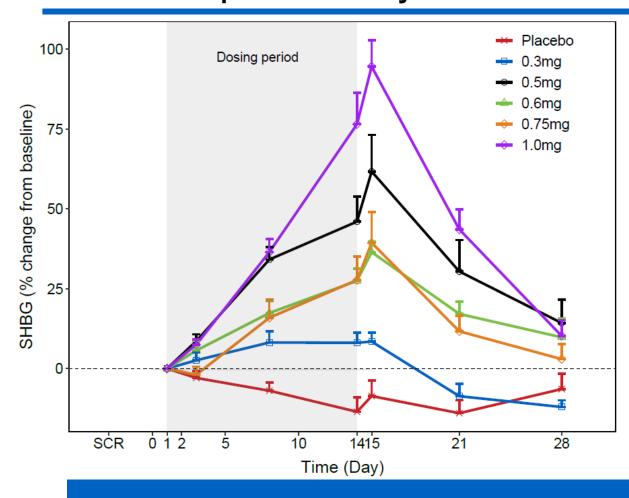
1st Dose

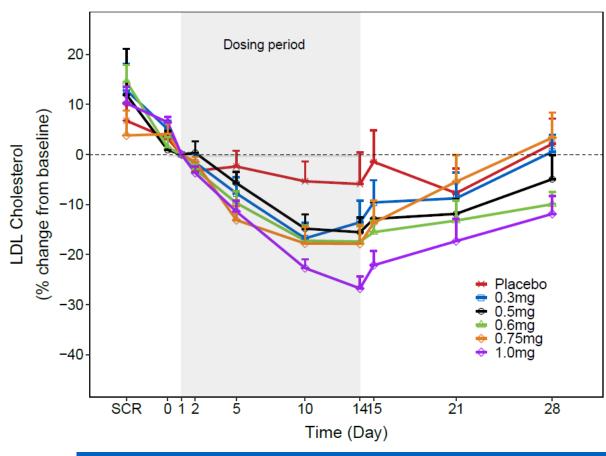


14th Dose

Multiple Ascending Dose - Biomarkers

Part 2: Expected Thyromimetic Effects Observed





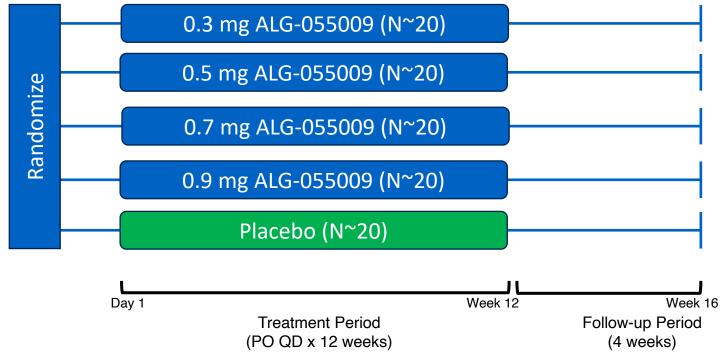
Generally dose proportional increases in SHBG

Generally dose proportional decreases in lipids (e.g., LDL, Apo-B, Triglycerides)



ALG-055009

Phase 2a HERALD Study Design



- Population: ~100 adult subjects with MASH and liver fibrosis (F1-F3)
- Primary endpoint: Relative change in liver fat content by MRI-PDFF at Week 12
- Principal Investigator: Stephen Harrison, MD

Dosing ongoing; Topline data anticipated Q4 2024



HERALD StudyKey Entry Criteria

Inclusion

- 18-75 years old, BMI ≥25 kg/m²
- F1 F3 MASH diagnosis based on,
 - › Liver biopsy (within 6 months) NAS ≥4 with a score of ≥1 in each category
 - → Having ≥2 metabolic syndrome criteria and Fibroscan between 7-20 kPa
- CAP >300 dB/m
- MRI-PDFF ≥10%

Exclusion

- Evidence of cirrhosis (clinical, laboratory)
- Pituitary or thyroid disorder, use of thyroid replacement therapy (within 6 months) or TSH, free T4, or Total T3 >1.1 x ULN or <0.9 x LLN
- Concerning cardiac history or abnormal ECG
- Labs:
 - → HbA1c ≥9.5%, Platelets ≤135,000/mm³
 - > ALT or AST >5 x ULN
 - > INR > 1.3, Albumin <3.5 g/Dl, eGFR <45 mL/min/1.73 m²



ALG-055009

A Potential Best-in-Class THR-β Agonist for MASH

- Discovered by Aligos; issued US patent expires 2040
- Purpose-built with enhanced pharmacologic properties
 - 5-50x fold more potent
 More β selective

 vs. competitor THR-β agonists
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Phase 1 highlights

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Phase 2a HERALD study

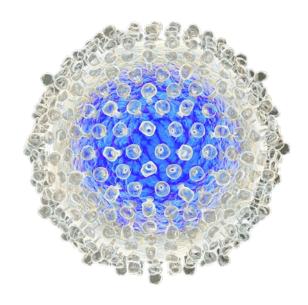
- Evaluating 4 dose levels vs. placebo x 12 weeks safety, PK, PD (MRI-PDFF)
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Chronic Hepatitis B

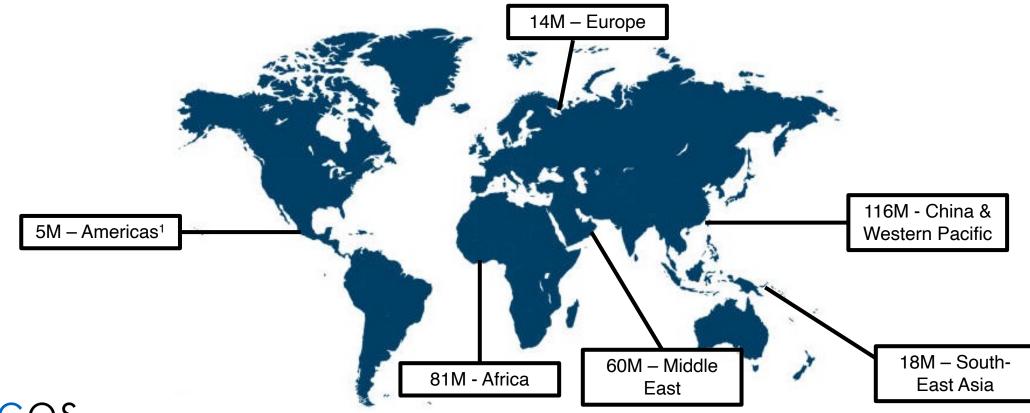
ALG-000184: Small molecule CAM-E



CHB

High Unmet Medical Need

- 296M people worldwide living with CHB with 1.5M new infections each year
- 820k deaths per year, mostly from cirrhosis and hepatocellular carcinoma
- Primary cause of liver cancer worldwide
- Market opportunity estimated at \$6.2B by 2031²; Gilead HBV sales of \$1B in 2023³



Therapeutic Goals of HBV Antiviral Drugs

Current treatment options

Nucleoside/Nucleotide analogs (NAs):

- Oral
- For use in chronic DNA suppression
 - HBV DNA <LLOQ after 48 weeks on treatment
- Leads to improvement in inflammatory components of liver histology
- Suboptimal efficacy in some patient populations
- Rate of functional cure no greater than in untreated populations
- Widely used
- Well tolerated

Interferon alfa (IFNa)

- Injectable
- For use in functional cure
 - HBsAg < LLOQ ~6 months after a finite treatment regimen
- Frequent adverse effects and high number of contraindications
- Efficacy rates low, limited to subsets of HBV patients
- Not widely used



Rethinking CHB Treatment: A New Era



The industry has learned from the issues of first-generation investigational mechanisms such as siRNA, ASO, NAPs, CAMs, immunomodulators, and therapeutic vaccines. Functional cure is a difficult pathway



The DNA suppression observed with ALG-000184 to date is greater vs. SOC, and is an approvable, de-risked regulatory pathway that can meaningfully help CHB patients (chronic suppression)



We have solved the potency issues previously seen with CAMs, leading to greater DNA suppression and clinical demonstration of the second mechanism



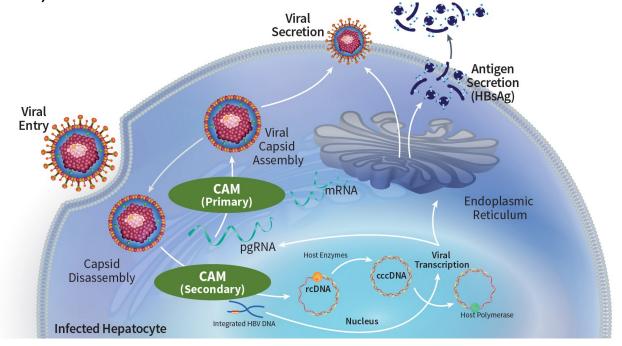
The importance of all relevant biomarkers has not been a key focus for the space. Treating CHB patients is more than reductions in HBV DNA and HBsAg; it is also HBV RNA, HBcrAg, and HBeAg

ALG-000184 is paving the way for the future of CHB treatments
First potential new mechanism advancing towards approval for chronic suppression in CHB in 25+ years



Hepatitis B Virus (HBV) Treatment The Dual Role of Capsid Assembly Modulators (CAMs)

- In preclinical studies, 2 mechanisms of action (MoA):
 - Primary mechanism
 - Promotes the premature assembly of core protein, leading to the formation of empty capsids
 - Responsible for the deep reductions of HBV DNA and RNA observed clinically
 - Secondary mechanism
 - > Requires >10-fold higher drug concentrations
 - Prevents the establishment / replenishment of cccDNA, which produces HBcrAg, HBeAg, and (some of) HBsAg



- 1st generation CAMs in development since 2014
 - Consistently demonstrated DNA, RNA reductions (1st MoA)
 - To date, no clear evidence of effects on 2nd MoA

Observing both mechanisms clinically likely requires potent compounds with excellent PK properties



ALG-000184

A Potential Best-in-Class CAM-E for CHB

- Initial IP licensed from the lab of Dr. Raymond Schinazi at Emory University; issued US patent expires in 2040
- Enhanced pharmacology
 - Picomolar potent
 - Enhanced absorption with high liver uptake
- Phase 1 highlights (≤300 mg ALG-000184 ± ETV x ≤64 weeks in untreated CHB)
 - PK: dose proportional, low-moderate variability
 - Safety: no safety signals observed
 - Antiviral activity: best-in-class reductions seen in HBsAg, HBeAg, HBcrAg, HBV DNA & RNA
 - Dosing x ≤96 weeks ongoing (through 2025)
- Phase 2
 - Enabling activities underway
 - Regulatory discussions in progress (superior chronic DNA suppression)



ALG-000184

Superior Potency and Activity vs. Competitor CAM-Es

Parameter	JNJ-6379 ^{3,4}	EDP-514 ⁵	AB-836 ⁶	ABI-4334 ^{1,2}	ALG-000184
Potency (cell culture HBV DNA reduction, EC ₅₀ nM)	54	17	10	1.2	0.63
Dose	250mg	800mg	100mg	200mg	10mg
Mean HBV DNA decline in clinic (log ₁₀ IU/mL)	2.7	3.4 3.1		NA	3.7
% of subjects < LLOQ at Day 28	56	NA	NA	NA	100
Most advanced/current development status	·		Phase 1; Discontinued	Phase 1a	Phase 1b (Ph2 enabling)

ALG-000184 more potent vs. other CAM-Es, resulting in enhanced antiviral activity Exposures also enhanced via PK optimization strategies

*89% of subjects were HBeAg negative in 250 mg JNJ-6379 arm. An unknown percentage of subjects dosed with 800 mg EDP-514 were HBeAg negative.

N/A – not available.



**The comparisons shown in the table above are not based on data resulting from head-to-head trials and are not direct comparisons. Different protocol designs, trial designs, patient selection and populations, number of patients, trial endpoints, trial objectives and other parameters that are not the same between the relevant trials may lead to bias in the results causing comparisons of results from different trials to be unreliable.

LLOQ (DNA) was ≤20 IU/mL for ABI and JNJ and 10 IU/mL for Aligos.

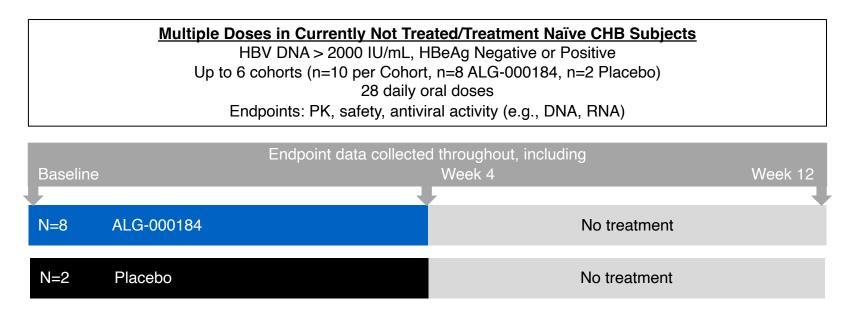
1. Xu, X. et al. AASLD 2021 LP4. 2. Gane, E. et al. EASL 2023 SAT-186.
3. Zoulim F., et al AASLD 2018. 4. Zoulim F., et al. Gastroenterology 2020.
5. MF Yuen, et al AASLD 2021 (Poster 823). 6. HepDart 2021 (preliminary data).
Data was sourced from publicly available literature, posters and presentations;
ALG-000184 data was generated by Aligos on the parent compound ALG-001075.

ALG-000184-201

Phase 1 Study in HV and CHB Subjects

Parts 1-3: Complete

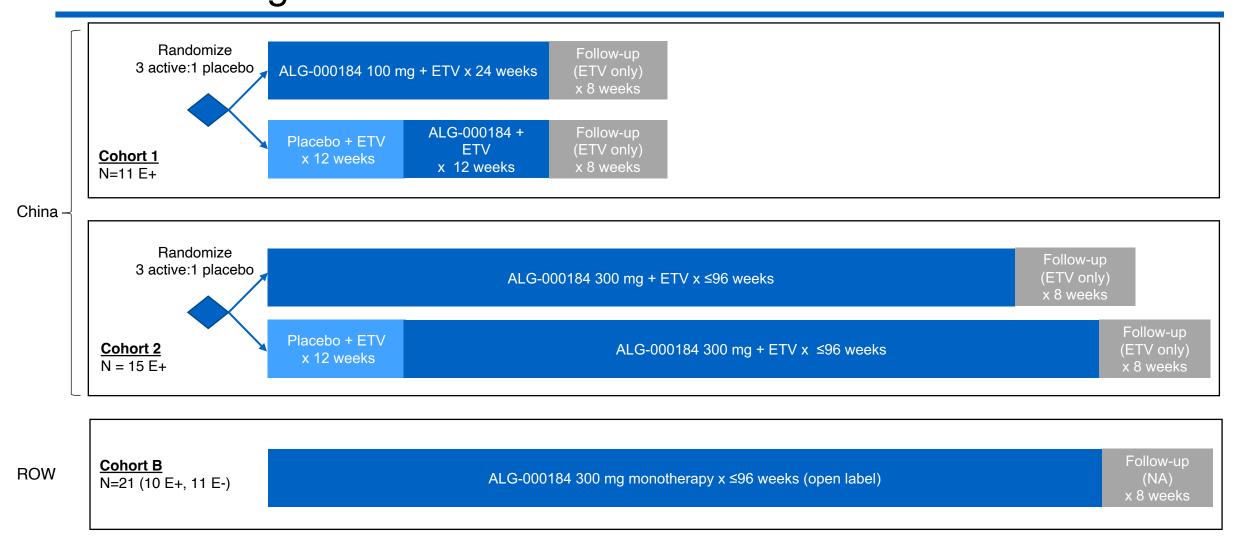
- Part 1 (SAD): single oral doses (40, 100, 250 and 500 mg) in HV
- Part 2 (MAD): 7 QD oral doses (150 and 250 mg) in HV
- Part 3: QD oral doses (10-300 mg) x 28 days in treatment naïve (TN)/currently not treated (CNT) CHB



Part 1 & 2: Single oral dose ≤500 mg and multiple oral daily doses ≤250 mg x 7 days well tolerated with linear PK in HV Part 3: multiple daily doses ≤300 mg well tolerated with linear PK and excellent antiviral activity (DNA, RNA, HBsAg)

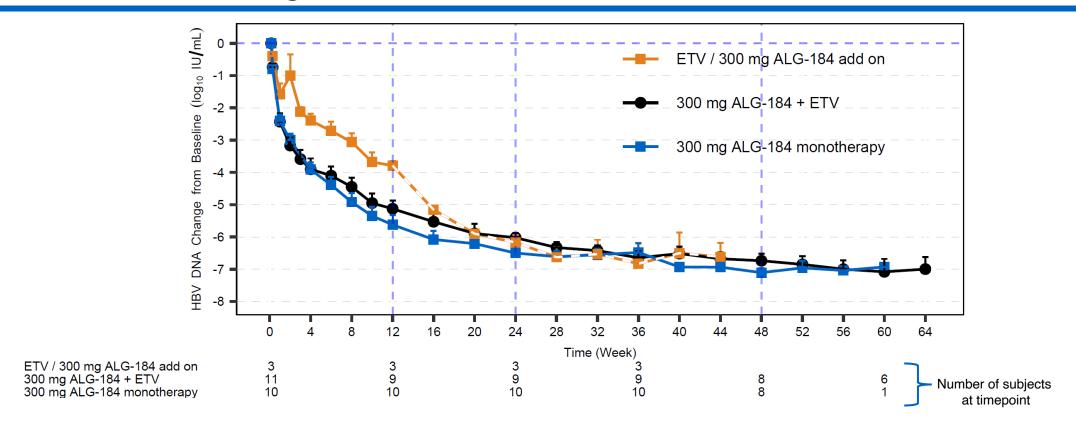


ALG-000184-201 – Long Term Dosing in CHB Subjects Cohort Designs





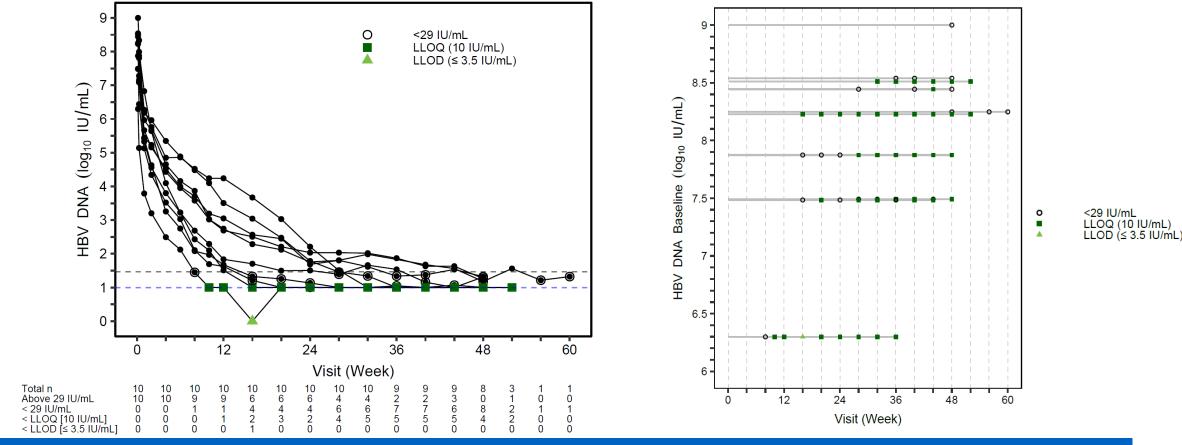
Antiviral Effect in CHB Subjects HBV DNA Change from Baseline



300 mg ALG-000184±ETV
Showed greater HBV DNA reduction than ETV monotherapy
Achieved similar DNA reductions



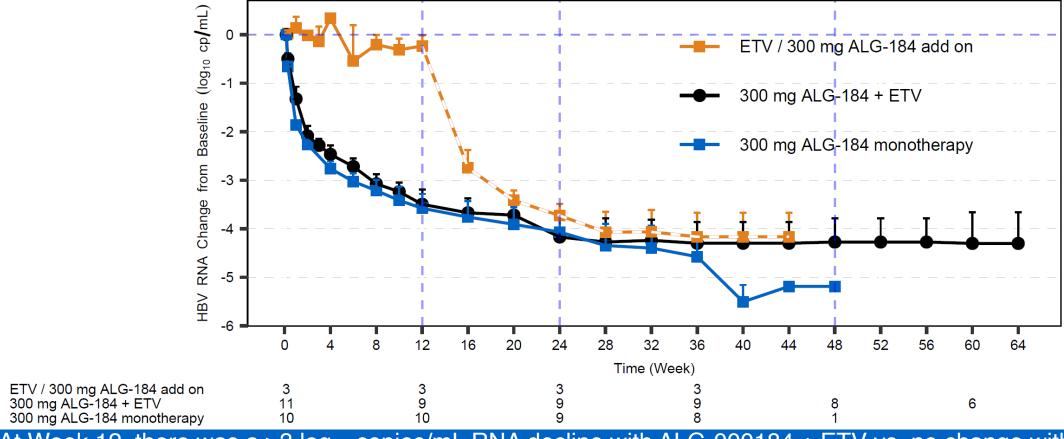
300 mg ALG-000184 Monotherapy (HBeAg+) Individual HBV DNA Over Time



No viral breakthrough during ALG-000184 monotherapy x ≤60 weeks 100% (10/10) of subjects achieved HBV DNA < 29 IU/mL 60% (6/10) of subjects achieved sustained HBV <10 IU/mL by week 48



300 mg ALG-000184 <u>+</u> ETV vs. ETV Mean HBV RNA Over Time



At Week 12, there was a >3 log₁₀ copies/mL RNA decline with ALG-000184 ± ETV vs. no change with ETV After adding ALG-000184 on top of ETV at Week 12, the RNA decline was similar to the combo regimen Up to Week 64, 100% of subjects experienced HBV RNA < LLOQ RNA levels correlated with HCC risk^



ALG-000184

Chronic DNA Suppression versus Standard of Care

CHB HBeAg Status	Dunca		ts < LLOQ at Week 48 DNA Assay Sensitivity)	Dogulatowy Dathyyay	
	Drug	% < LLOQ 29 IU/mL	% < LLOQ 10 IU/mL	Regulatory Pathway	
E+	TDF (n=292) ^b	67%	Drocumably <210/		
	TAF (n=581) ^b	64%	Presumably <21%	Superior Chronic	
	300 mg ALG-000184 (n=10) ^c	10/10 (100%)	6/10 (60%)		
E-	TDF (n=140) ^a	93%	17%	Suppression vs. NAs	
	TAF (n=285) ^a	94%	21%		
	300 mg ALG-000184 (n=11)	Data to be presented at EASL			

Comparative HBV DNA data indicate 300 mg ALG-000184 may achieve superior chronic suppression vs. NAs



Chronic Suppression Well Defined, Validated Approval Pathway

Pathway endorsed by FDA, EMEA, and China FDA (CDE). Definition: HBV DNA <LLOQ at Week 48

a. Chronic suppressive therapy

Sponsors developing drugs for chronic suppressive therapy of CHB should consider the following trial design options:

• A randomized controlled noninferiority (NI) (or superiority) trial comparing the investigational drug with an approved active control arm—The primary efficacy endpoint should be undetectable HBV DNA¹³ after 48 weeks on-treatment in HBeAg-positive subjects, HBeAg-negative subjects, or both. The active comparator should be an antiviral drug that is recommended for treatment of CHB and reflects current practice at the time of trial initiation. The patient population may be treatment-naïve or previously treated subjects with detectable HBV DNA. Potential concerns related to the development of resistance when evaluating an investigational drug with a low barrier to resistance as a monotherapy should be addressed. For an NI design, determination of the NI margin should be discussed with the FDA.

Pathway was used to get tenofovir alafenamide (TAF; Gilead) approved in all 3 regions



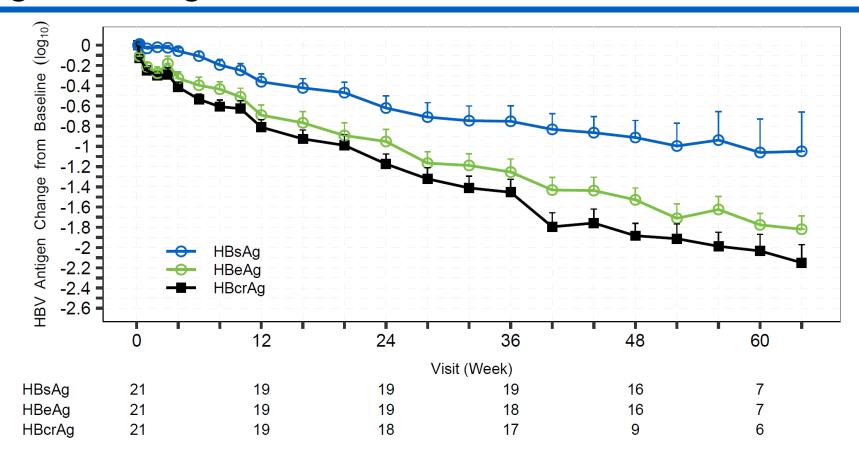
ALG-000184 Phase 2 Chronic Suppression Study Planned Efficacy Endpoints

- Primary endpoint (approvable endpoint*)
 - Proportion of subjects with HBV DNA < 10 IU/mL at W48 for both HBeAg+/- CHB
- Secondary endpoints (clinically meaningful and/or corroborative)
 - HBeAg seroconversion in HBeAg+ CHB subjects
 - Histologic improvement (liver biopsy)
 - > Inflammation
 - > Fibrosis
 - Reduction of cccDNA levels
 - Reduction of HBV integrants^
 - HBV RNA < LLOQ^

In addition to superior DNA reductions, multiple clinically meaningful secondary efficacy endpoints may be achieved



ALG-000184-201 - Antiviral Effect in CHB Subjects HBV Antigen Change from Baseline



Substantial HBsAg, HBeAg, and HBcrAg reductions seen with combo Max declines: 1.9, 2.2 and 2.6 log₁₀, respectively



Safety Overview Treatment Emergent Adverse Events

	300 mg ALG-000184 + ETV	300 mg ALG-000184
	N=15	N=10
Serious Adverse Event (SAE)	0	0
Treatment Emergent Adverse Event (TEAE) leading to study drug discontinuation	0	0
Grade ≥3 TEAE	4*,#	3#
Concerning laboratory, ECG, vital sign, or physical examination findings	0	0

^{* 3} subjects experienced Grade ≥ 3 TEAEs of asymptomatic laboratory abnormalities including eGRF decrease, uric acid increase and neutrophil count decrease. All had normalized or returned to baseline in setting of continued study dosing.

300 mg ALG-000184 ± ETV well tolerated x ≤64 weeks



^{# 2} subjects in Part 4 Cohort 2 and 3 subjects in Part 4 Cohort B experienced Grade ≥ 3 ALT ↑ with or without associated AST ↑. All were asymptomatic and none were associated with hepatic synthetic dysfunction or considered concerning to the study's ALT Flare Monitoring Committee.

Antiviral Activity of HBV Drug Classes

Viral Marker	NAs (ETV, TDF, TAF)	siRNA*	ASO**	ALG-000184 (CAM-E)	Clinical Significance
DNA	++	+	+	+++	DNA <lloq (chronic="" an="" and="" approvable="" associated="" endpoint<="" improved="" is="" on="" outcomes="" suppression)="" td="" treatment="" with=""></lloq>
RNA		+	+	+++	RNA levels correlate with HCC risk^
HBsAg		++	++	++	HBsAg loss (whether spontaneous or via medicines (functional cure)) associated with improved outcomes
HBeAg		+		++	HBeAg loss with seroconversion associated with improved outcomes and guidance for stopping HBV treatment
HBcrAg		+	+	++	Surrogate biomarker for HBV replication activity

ALG-000184 is the only oral HBV antiviral drug that broadly inhibits viral markers which are associated with improved outcomes in CHB



Our Portfolio of Best-in-Class Drug Candidates Will Drive Value

ALG-055009 for MASH

- ✓ First 2a HERALD patient dosed in April 2024
- Phase 2a HERALD topline safety and MRI-PDFF data expected Q4 2024

ALG-000184 for CHB

- √ Greater DNA suppression observed vs. NUCs
- Phase 1b study is ongoing with interim data readouts expected at APASL, EASL, AASLD
- Phase 2 enabling activities ongoing
- Regulatory discussions underway (superior chronic DNA suppression)

ALG-097558 for Pan-Coronavirus

- Phase 1 FIH topline data expected Q2 2024
- Phase 2 enabling activities (externally funded) ongoing

Strong Cash Position

- As of 12/31/23: Cash, cash equivalents and investments were \$135.7M
- The Company believes our cash, cash equivalents and investments will provide sufficient funding of planned operations through the end of 2025



ALIGOS THERAPEUTICS