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Therapeutic Potential of HGF Positive Modulation as a Neurotrophic

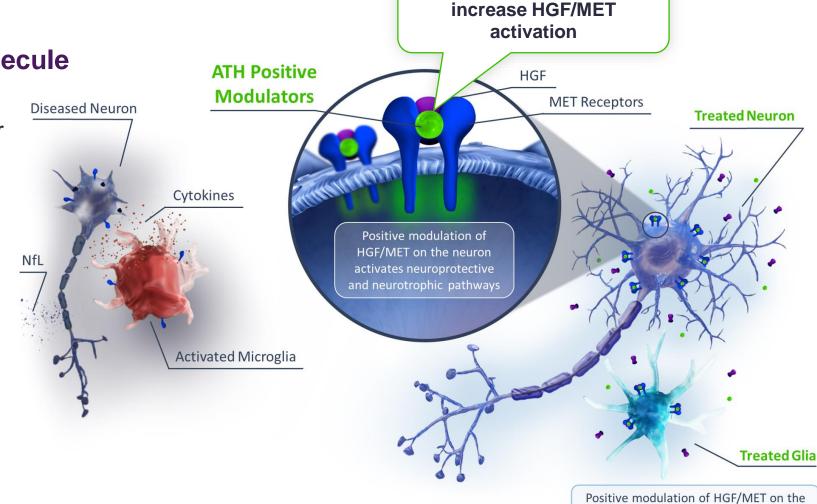
Factor for Neurodegenerative Diseases

Potential first-in-class small molecule drug candidates

- Able to cross the blood-brain barrier
- Positively modulate HGF/MET

Mechanism of action may

- Reduce inflammation
- Promote regeneration
- Provide neuroprotection
- Modify the course of disease



ATH drug candidates



glia inhibits neuroinflammation

LIFT-AD Study Design in Mild-to-Moderate Alzheimer's Disease

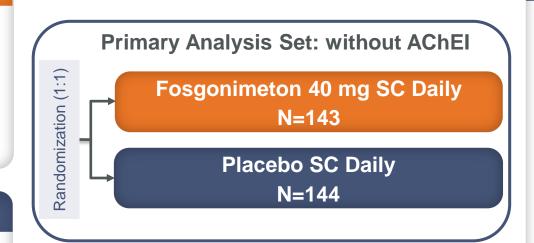
Randomized, Double-blind, Placebo-controlled, 26-week Trial

POPULATION

- 55-88 years of age
- Clinical diagnosis of probable AD
- Mild-to-moderate dementia
 - MMSE score of 14-24
 - CDR global score of 1 or 2

ANALYSIS SET

- Primary analysis: 312 enrolled 287 evaluable participants without concomitant AChEI
- Safety analysis: 549 participants



ENDPOINTS

PRIMARY

- Global Statistical Test composite of ADAS-Cog11 and ADCS-ADL23
- Safety

SECONDARY

- ADAS-Cog11
- ADCS-ADL23
- Plasma NfL

EXPLORATORY PLASMA BIOMARKERS

• Aβ42/40, p-Tau181, p-Tau217, and GFAP



Baseline Characteristics and Demographics are Well Balanced

Characteristic	Primary Analysis Population (No Concomitant AChEI)		
	Placebo (N=144)	Fosgonimeton 40 mg (N=143)	
Mean (SD) age, years	73.4 (7.1)	72.6 (6.9)	
Female, n (%)	82 (56.9)	76 (53.1)	
White, n (%)	118 (81.9)	116 (81.1)	
APOE4 carriers, n (%)	74 (51.4)	74 (51.7)	
Heterozygotes	59 (41.0)	59 (41.3)	
Homozygotes	15 (10.4)	15 (10.5)	
Concomitant AChEI, n (%)	0 (0)	0 (0)	
Mean (SD) MMSE Score	19.3 (3.4)	19.9 (3.5)	
MMSE ≥20 (mild), n (%)	74 (51.4)	81 (56.6)	
MMSE <20 (moderate), n (%)	70 (48.6)	61 (42.7)	
CDR Score, n (%)			
0.5	1 (0.7)	1 (0.7)	
1	123 (85.4)	122 (85.3)	
2	19 (13.2)	20 (14.0)	
Mean (SD) ADAS-Cog 11	22.3 (7.6)	20.7 (7.8)	
Mean (SD) ADCS-ADL23	62.3 (10.0)	62.5 (9.9)	
Mean (SD) NfL, pg/mL	27.7 (16.4)	26.3 (25.5)	



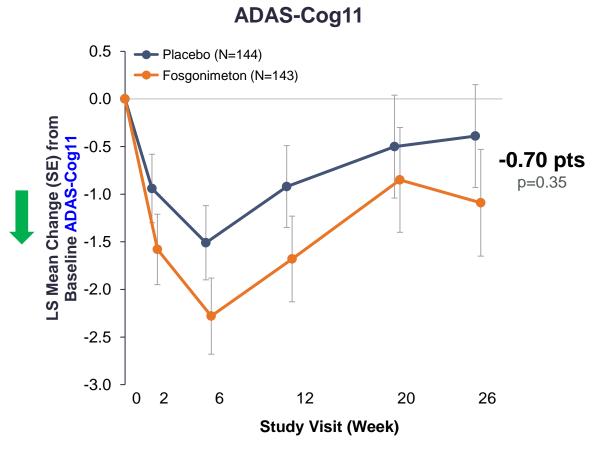
Overview of Primary and Secondary Endpoints

Primary and secondary endpoints did not reach statistical significance

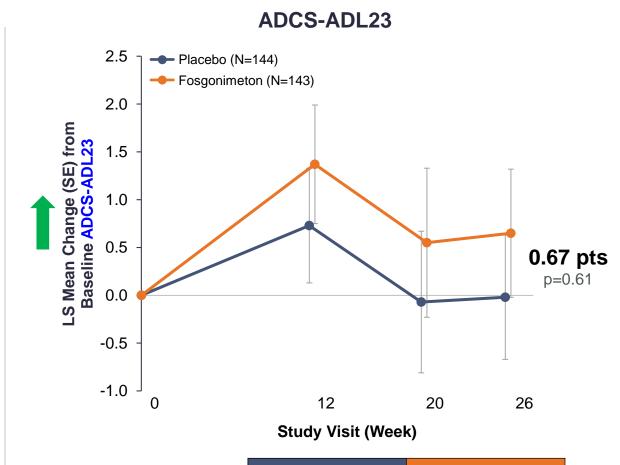
Measure (Direction of Improvement)	LS Mean Change (SE) from Baseline at Week 26 (Primary Analysis Population)			
	Placebo (N=144)	Fosgonimeton 40 mg (N=143)	Difference vs Placebo (N=287)	
GST	-0.13 (0.07)	-0.21 (0.07)	-0.08 (0.10) p=0.70	
ADAS-Cog11	-0.39 (0.54)	-1.09 (0.56)	-0.70 (0.77) p=0.35	
ADCS-ADL23	-0.02 (0.65)	0.65 (0.67)	0.67 (0.92) p=0.61	
NfL (pg/mL)	2.95 (2.49)	-0.96 (2.48)	-3.91 (3.46) (p=0.26)*	



Change in Cognition and Activities of Daily Living



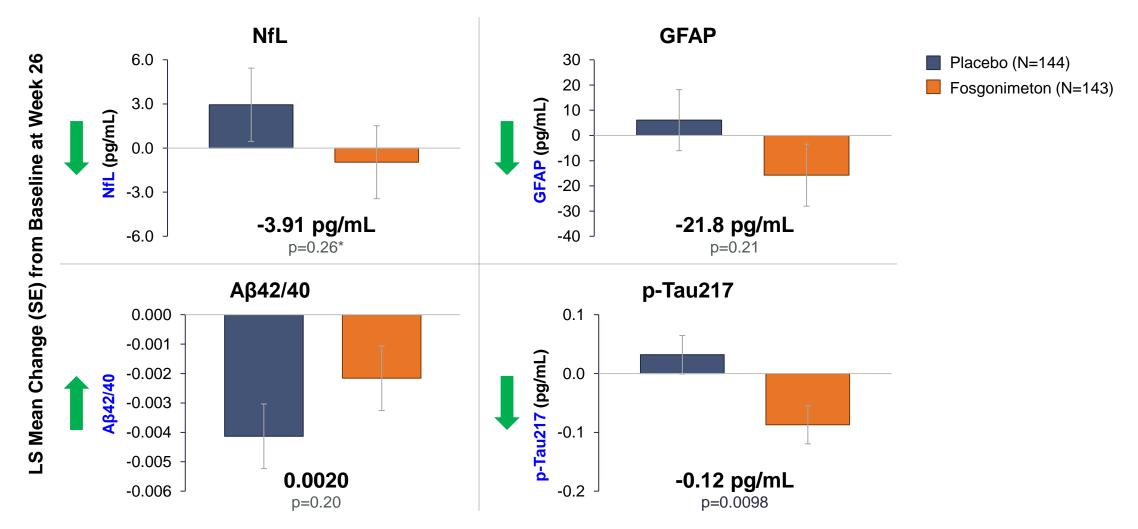
	Placebo (N=144)	Fosgonimeton (N=143)
Baseline, Mean (SD)	22.3 (7.6)	20.7 (7.8)
CFB at Week 26, Mean (SE)	-0.39 (0.54)	-1.09 (0.56)



	Placebo (N=144)	Fosgonimeton (N=143)
Baseline, Mean (SD)	62.3 (10.0)	62.5 (9.9)
CFB at Week 26, Mean (SE)	-0.02 (0.65)	-0.65 (0.67)



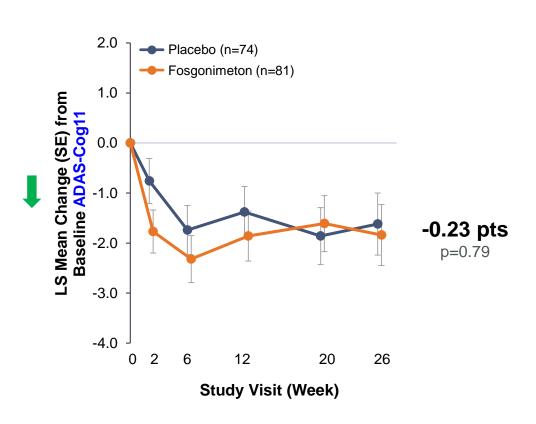
Fosgonimeton Shows a Neuroprotective Effect Across Plasma Biomarkers of Neurodegeneration (NfL), Inflammation (GFAP), and Protein Pathology (A β 42/40 and p-Tau 217)



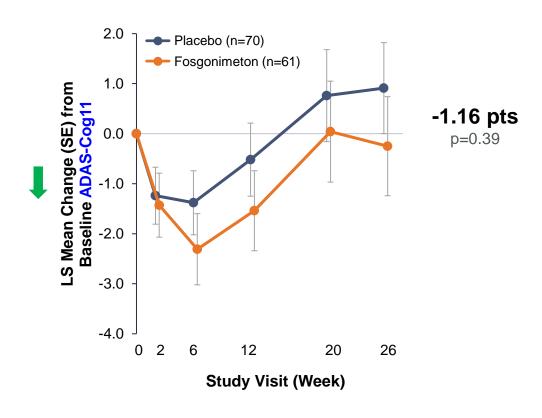


Change in Cognition in Mild and Moderate AD by MMSE

Mild Baseline MMSE (20 - 24)

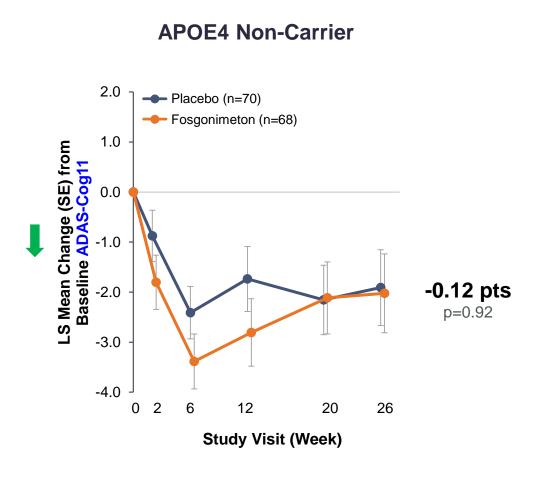


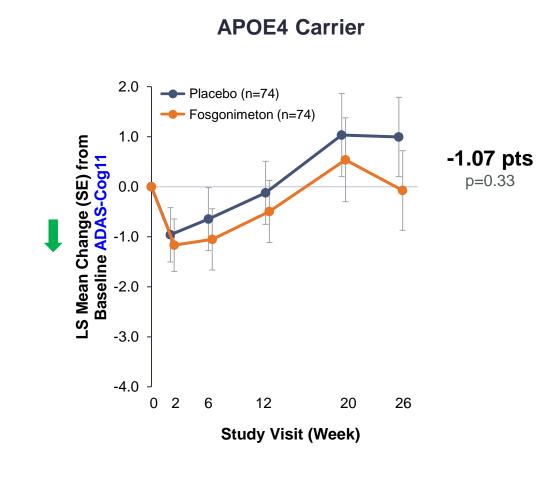
Moderate Baseline MMSE (14 – 19)





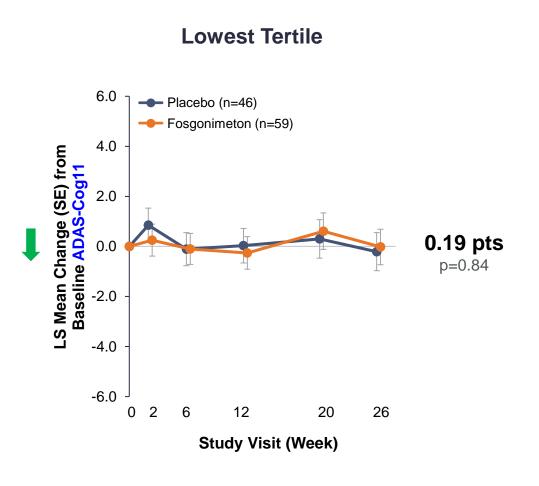
Change in Cognition Assessed by ADAS-Cog11 in APOE4 Carriers

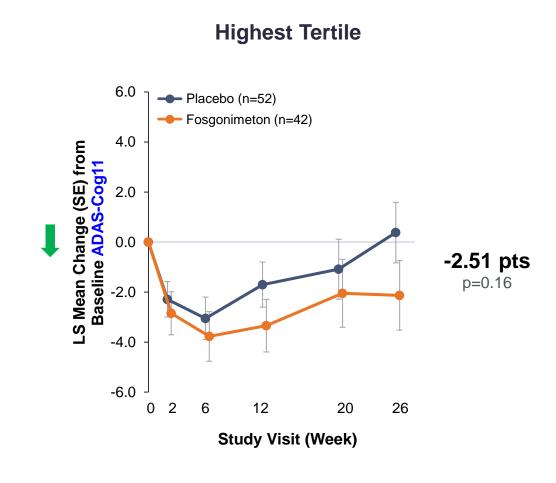






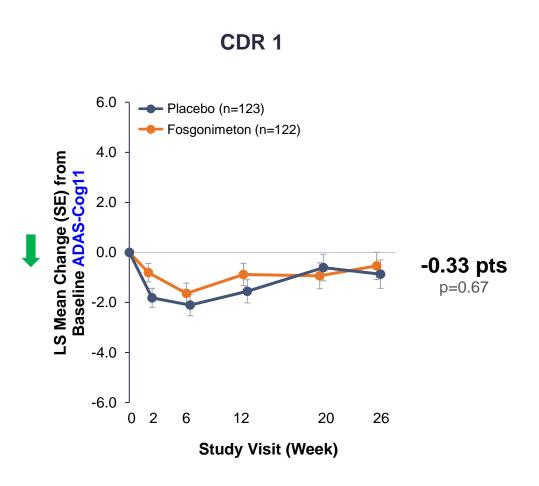
Change in Cognition in the Lowest and Highest ADAS-Cog11 Tertile Subsets at Baseline



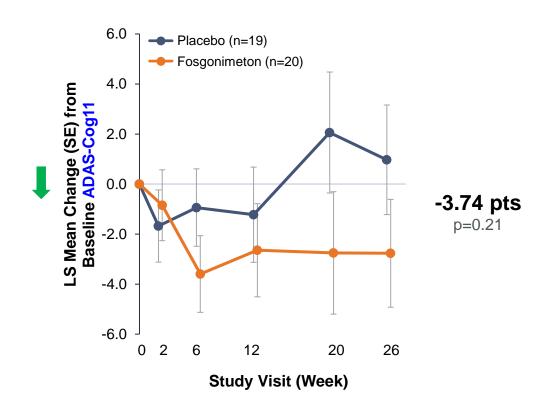




Change in Cognition in CDR Subgroups



CDR 2 (moderate AD)





Summary of Treatment-Emergent Adverse Events (Safety Analysis Population)

Fosgonimeton was generally well tolerated, with a favorable safety profile

Subject Incidence, n (%)	Placebo (N=218)	Fosgonimeton 40 mg (N=224)	Fosgonimeton 70 mg (N=107)
Any AE	136 (62.4)	177 (79.0)	94 (87.9)
TEAEs	132 (60.6)	175 (78.1)	94 (87.9)
Treatment-related TEAEs	54 (24.8)	155 (69.2)	86 (80.4)
Serious TEAEs	15 (6.9)	11 (4.9)	3 (2.8)
Treatment-related serious TEAEs	0	3 (1.3)	2 (1.9)
TEAEs leading to study drug withdrawal	9 (4.1)	24 (10.7)	23 (21.5)
TEAEs leading to study drug interruption	9 (4.1)	29 (12.9)	11 (10.3)
TEAEs leading to study withdrawal	10 (4.6)	24 (10.7)	23 (21.5)
Deaths	0	0	0



Summary and Interpretation

- LIFT-AD trial did not meet primary endpoint of GST and key secondary endpoints; fosgonimeton compares favorably to placebo numerically despite the very small decline in the placebo group
- In subgroups¹ of patients with moderate AD, or APOE4 carriers or those with greatest impairment in cognition by ADAS-Cog11 fosgonimeton showed a larger effect size
- Fosgonimeton treatment was associated with changes in biomarkers of Alzheimer's disease pathology consistent with the broad neuroprotective mechanism of HGF modulation
- Fosgonimeton was generally well tolerated, with a favorable safety profile

Totality of the data suggests that positive modulation of HGF signaling may have potential beneficial effects in neurodegenerative diseases





