



**GH**  
**RESEARCH**

# **Ultra-Rapid, Durable Remission in TRD with Minimal Clinic Burden**

GH Research PLC (Nasdaq: GHRS)

March 2026

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# Pipeline



Product Candidate	Indication	Preclinical	Phase 1	Phase 2a	Phase 2b	Phase 3	Current Status	Milestone
<b>GH001</b> <i>Mebufotenin for inhalation administration</i>	Treatment-resistant depression (TRD)					Phase 2b RDBPC completed	Phase 3 initiation in 2026	
	Postpartum depression (PPD)					Phase 1 PK trial with proprietary device ongoing	Phase 1 PK trial completion	
	Bipolar II Disorder <sup>a</sup> (BDII)					Phase 2a POC	Completed	
<b>GH002</b> <i>Mebufotenin for i.v. administration</i>	Psychiatric disorder					Phase 1 HV trial completed	IND submission	

**Cash, cash equivalents and marketable securities were \$280.7 million as of December 31, 2025**



<sup>a</sup>Bipolar II disorder with a current major depressive episode.

Abbreviations: HV = Healthy volunteer; IND = Investigational New Drug; i.v. = Intravenous; PK = Pharmacokinetics; POC = Proof-of-concept; RDBPC = Randomized, double-blind, placebo-controlled.

# **GH001 Key Milestones Achieved and Next Steps**



## **Phase 2b Trial**

Unprecedented Efficacy in TRD

Positioning GH001 as potentially practice-changing



## **Pivotal Phase 3 Program**

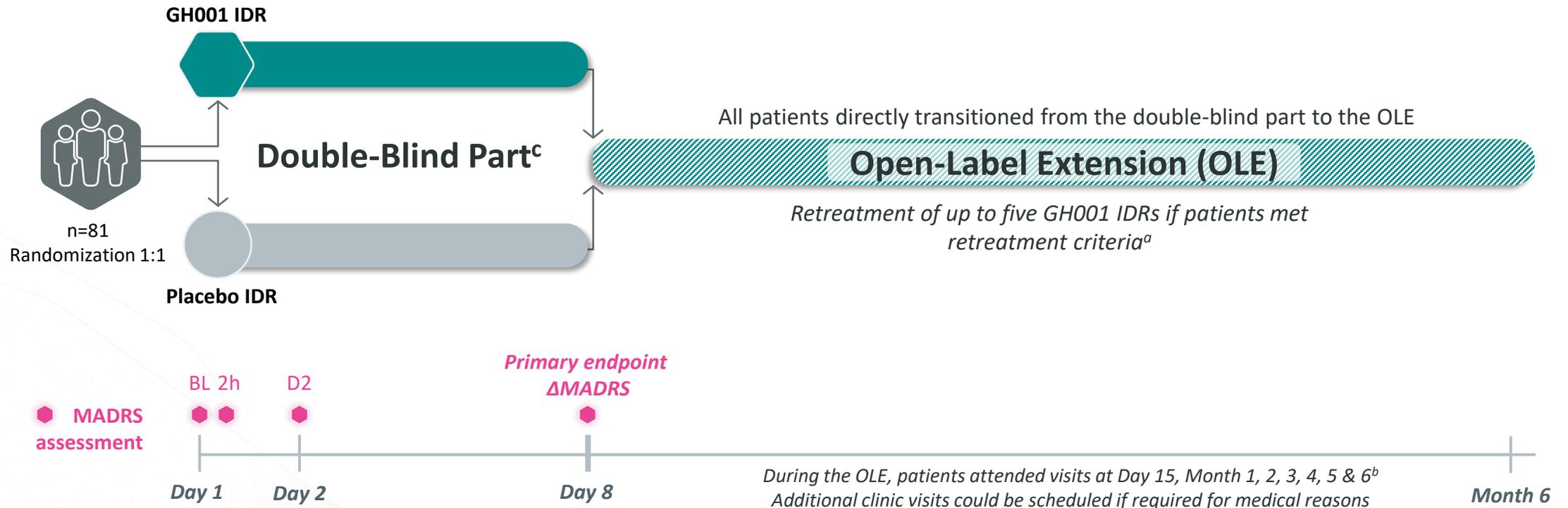
Designed in line with the FDA Guidelines and to replicate the Phase 2b data

**Global Phase 3 start in 2026**

Abbreviations: TRD = Treatment Resistant Depression; IND = Investigational New Drug; FDA = Food and Drug Administration



# GH001-TRD-201: A Randomized, Double-Blind, Placebo-Controlled, Phase 2b Trial with an Open-Label Extension



**This trial was conducted under the supervision of qualified healthcare professionals, providing psychological support per standard of care, but without any planned psychotherapeutic intervention before, during, or after dosing**

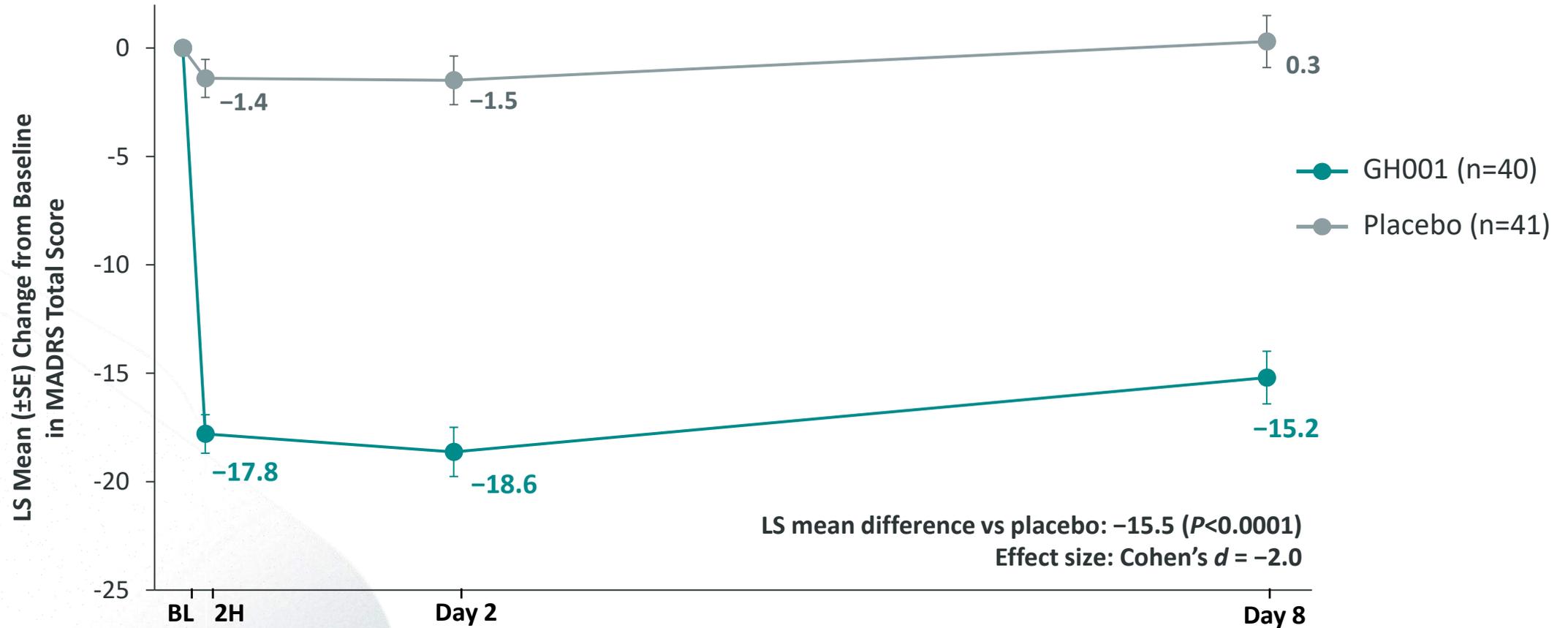
<sup>a</sup>Retreatment criteria: MADRS score >18, or MADRS score >10 and ≤18 and MADRS score ≤10 not observed at Day 8 of the prior treatment or at any visit since, or MADRS score >10 and ≤18 and MADRS score >18 observed since the most recent observation of MADRS score ≤10. <sup>b</sup>Patients also attended assessment visits on Day 2 (phone call) and Day 8 after each retreatment. <sup>c</sup>Efficacy assessments were carried out by independent blinded raters in the double-blind part.

Abbreviations: BL = Baseline; D = Day; h = Hour; IDR = Individualized dosing regimen; MADRS = Montgomery-Åsberg Depression Rating Scale.

ClinicalTrials.gov. <https://clinicaltrials.gov/study/NCT05800860>, Accessed March 13, 2025.



# Primary Endpoint: GH001 Led to Mean MADRS Reduction from Baseline of -15.5 on Day 8<sup>a</sup> vs Placebo ( $P < 0.0001$ )

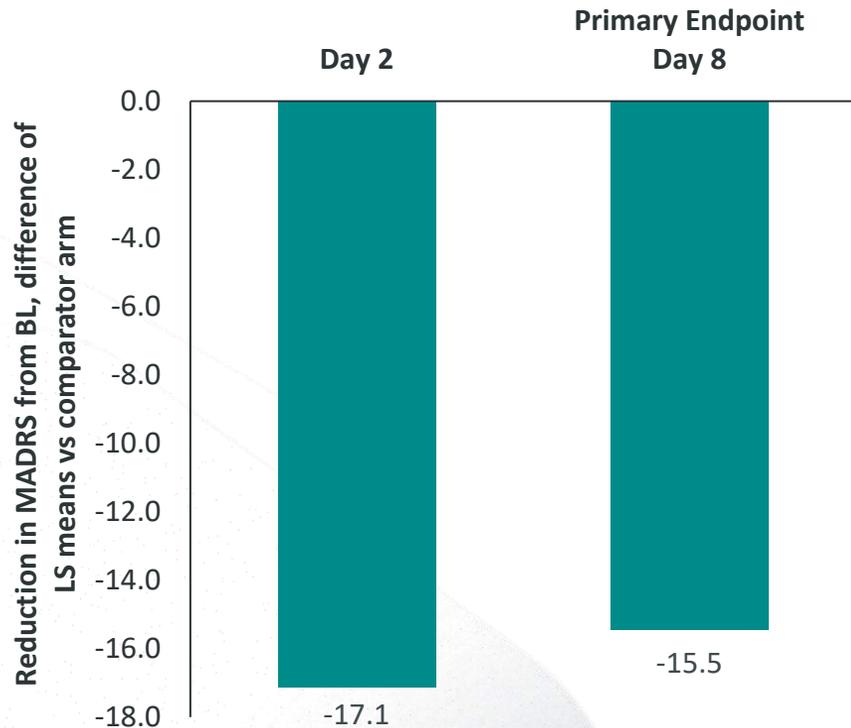


<sup>a</sup>FDA Guidance notes that efficacy with rapid-acting antidepressants generally should be demonstrated within 1 week, supporting a primary efficacy endpoint within this timeframe. Abbreviations: BL = Baseline; FDA = Food and Drug Administration; H = Hours; LS = Least squares; MADRS = Montgomery-Åsberg Depression Rating Scale; SE = Standard error. FDA Guidance: Major Depressive Disorder: Developing Drugs for Treatment. <https://www.fda.gov/media/113988/download>. Accessed on 26 June 2025.

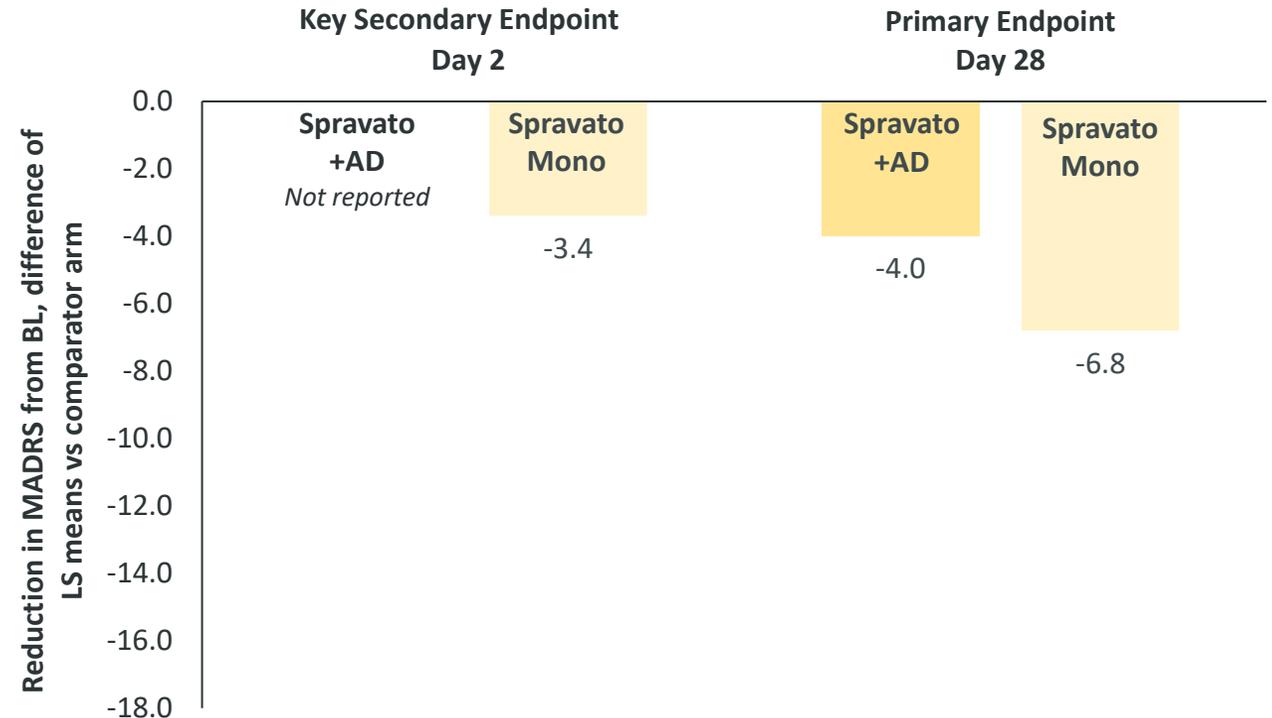
# MADRS Total Score Change from Baseline: GH001 and Spravato at Day 2 and Primary Endpoint (Difference from Comparator Arm)



GH001 vs Placebo



Spravato + AD vs Placebo + AD from TRANSFORM-2<sup>a</sup>  
Spravato monotherapy (84mg) vs Placebo from TRD4005<sup>b</sup>

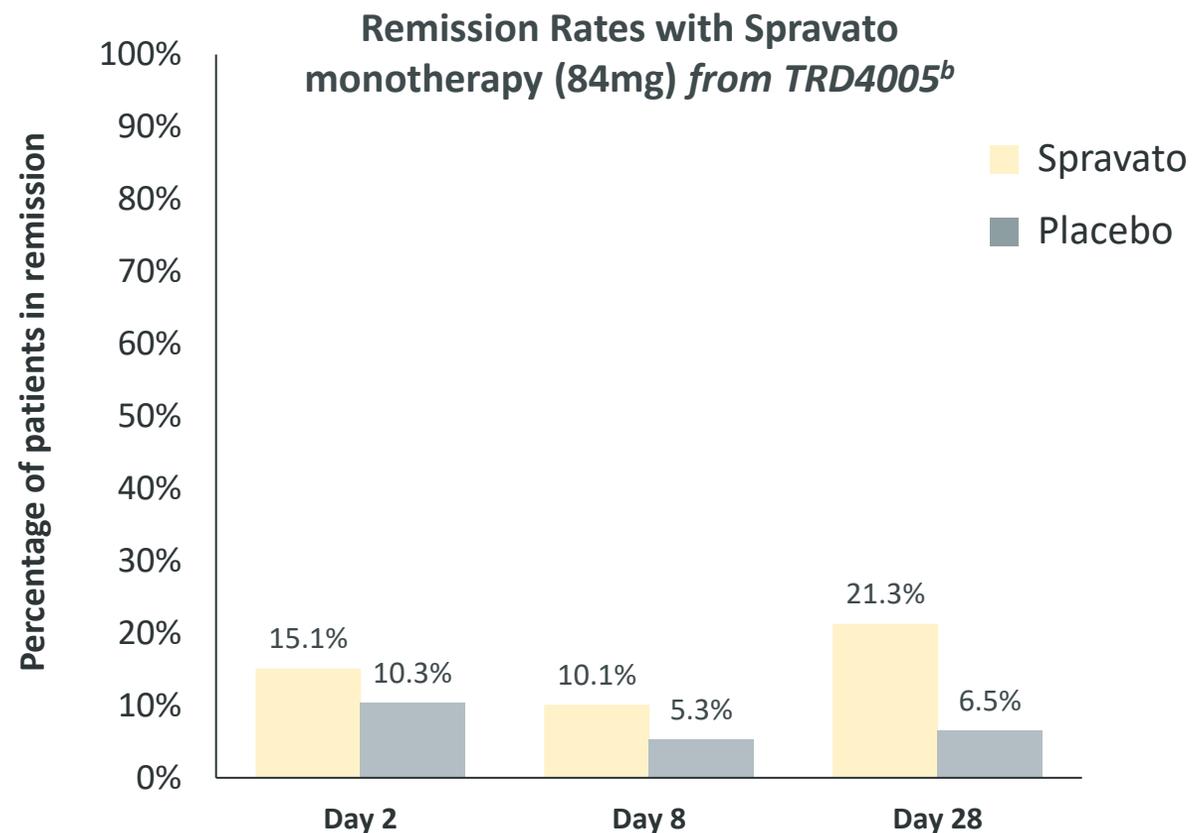
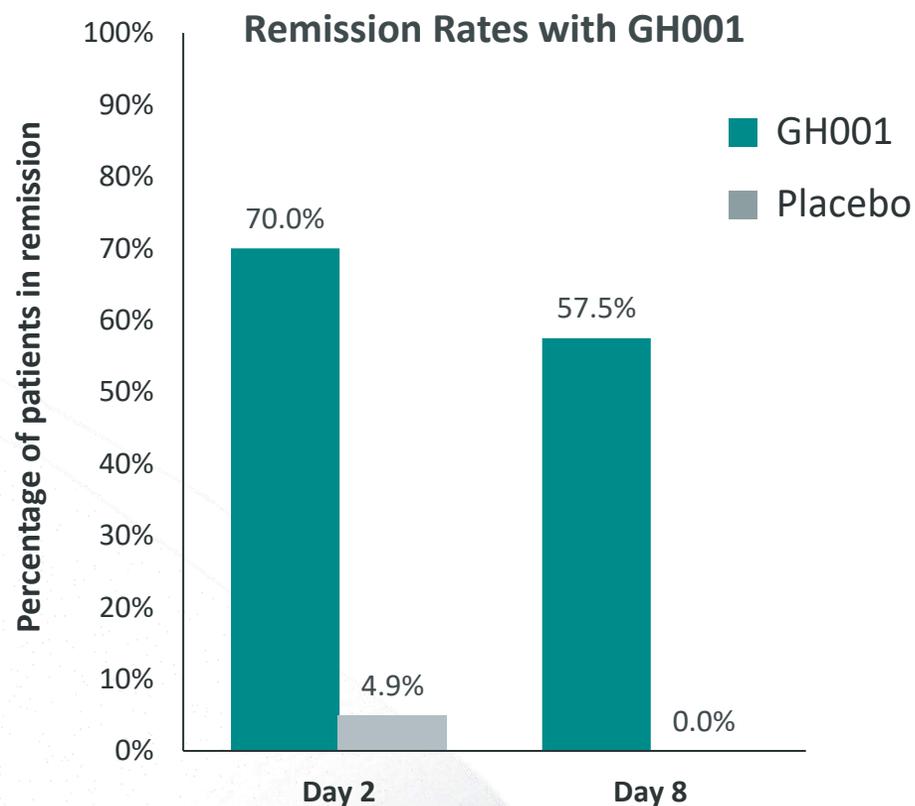


Note: To-date, no head-to-head comparisons of any other products to any of our product candidates in any clinical trial have been completed; results have been obtained from different trials with different designs, endpoints and patient populations; results may not be comparable.

<sup>a</sup>Spravato + AD data from TRANSFORM-2, Popova et al., 2019; <sup>b</sup>Spravato monotherapy data for 84mg dose from TRD4005 trial, Janik et al., 2025; Spravato 56mg MADRS total score change from baseline difference of LS means from PBO was -5.1 at Day 28 and -3.8 at Day 2

Abbreviations: AD = Antidepressant; BL = Baseline; D = Day; LS = Least Squares; MADRS = Montgomery-Åsberg Depression Rating Scale; Mono = Monotherapy.

# Secondary Endpoints: Remissions<sup>a</sup> GH001 Day 2 and Day 8 and Spravato Monotherapy (84 mg) Day 2, Day 8 and Day 28

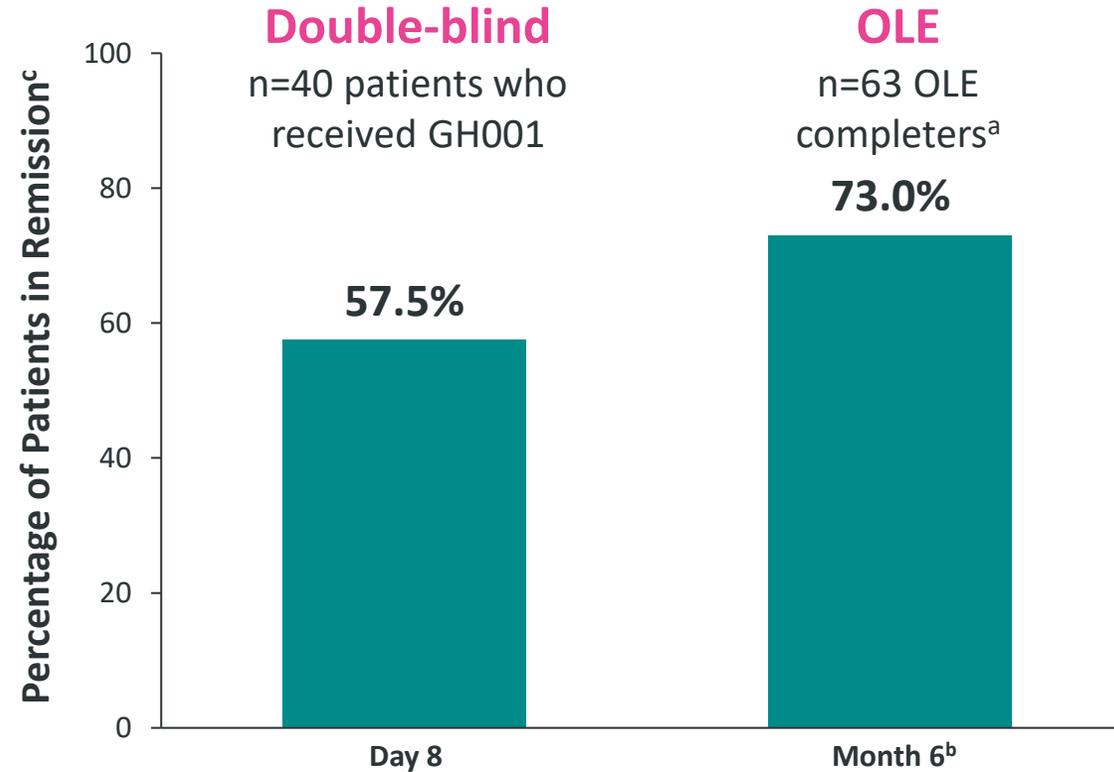


Note: To-date, no head-to-head comparisons of any other products to any of our product candidates in any clinical trial have been completed; results have been obtained from different trials with different designs, endpoints and patient populations; results may not be comparable.

<sup>a</sup>Remission defined as MADRS total score  $\leq 10$  for both GH001 and Spravato. <sup>b</sup>Source: Spravato monotherapy data for 84mg dose from TRD4005 trial, Janik et al. 2025; Spravato 56mg participants in the TRD4005 trial achieved remission rates of 13.1% at Day 2, 7.1% at Day 8 and 14.6% at Day 28 (MADRS  $\leq 10$ )

Abbreviations: MADRS = Montgomery-Åsberg Depression Rating Scale

# 73% Remission Rate at 6 Months in OLE Completers

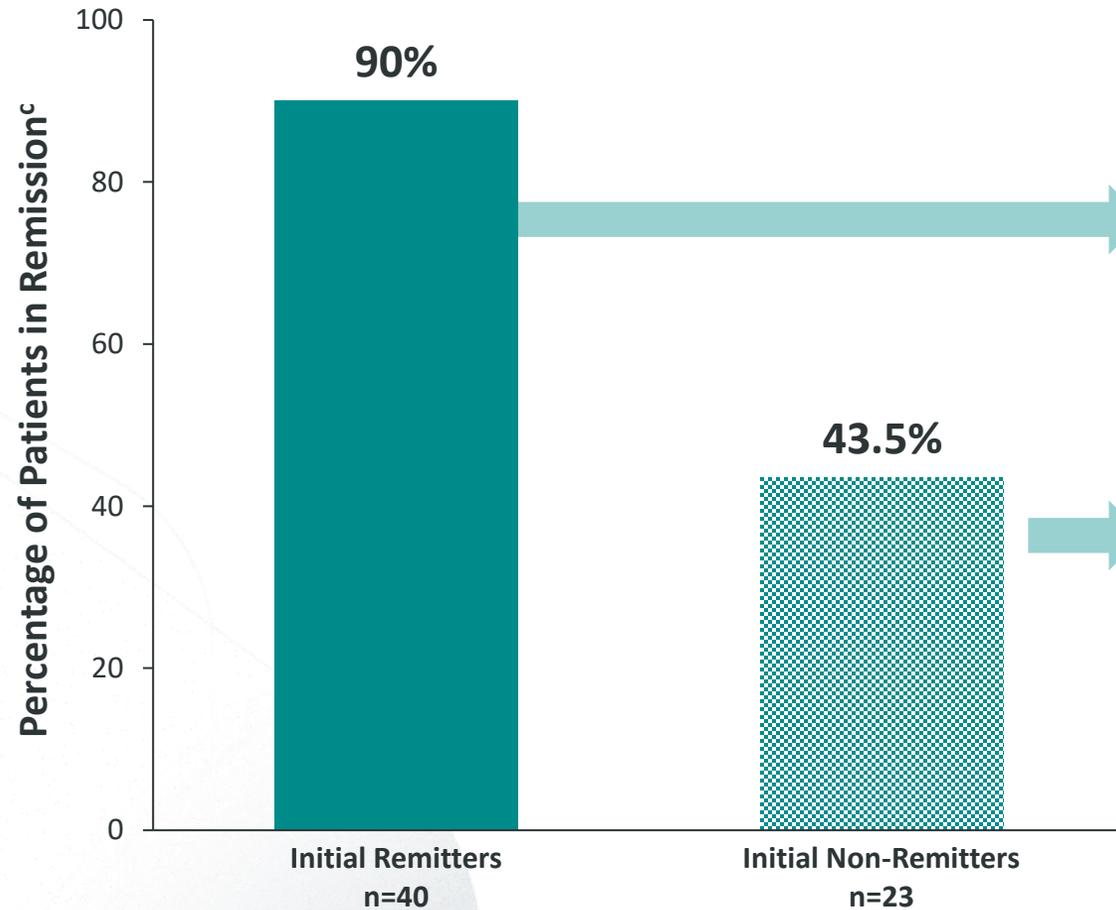


Patients who completed the OLE received a **mean of four treatments**, with 63.5% (40/63) requiring one to four treatments during the **6 months**

<sup>a</sup>Includes 63 patients who completed the 6-month OLE per protocol (18 patients terminated early are excluded). <sup>b</sup>Approximately 6 months post-study start (median 168 days from Day 1 of double-blind part). <sup>c</sup>Remission defined as MADRS total score  $\leq 10$ .

Abbreviations: MADRS = Montgomery-Åsberg Depression Rating Scale; OLE = Open-label extension.

# Remission Rate at 6 Months<sup>a</sup> in OLE Completers<sup>b</sup>



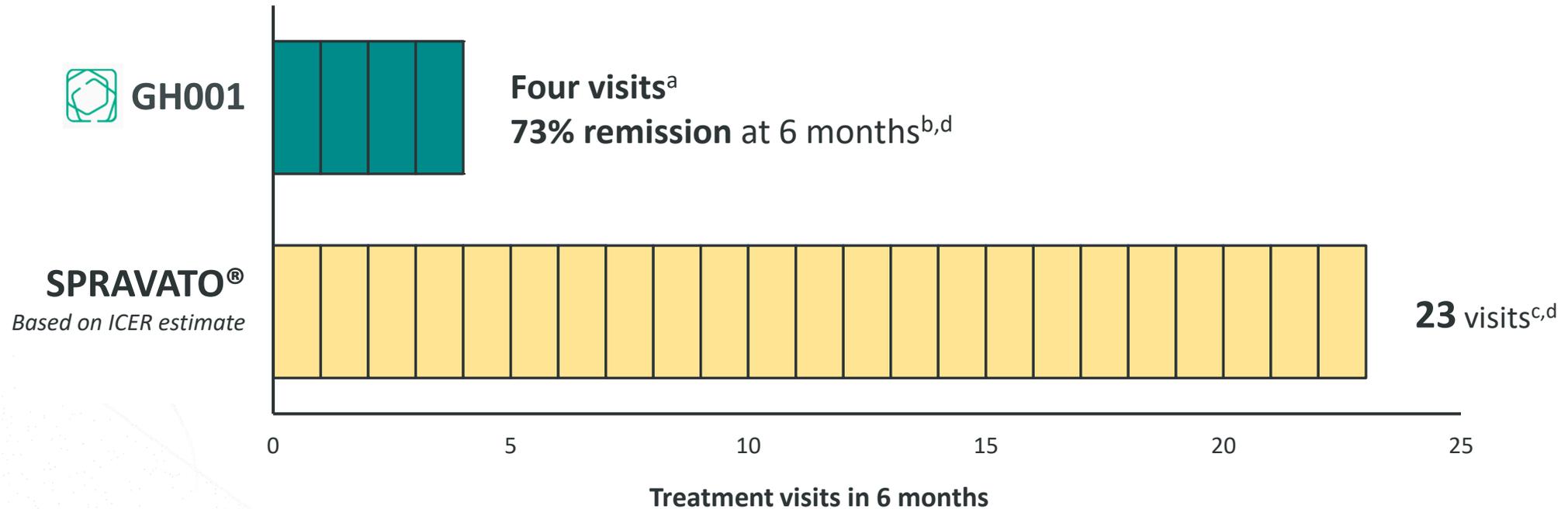
Patients in remission on Day 8 after their first active treatment had a 90% remission rate at 6 Months.

43.5% of the patients not in remission on Day 8 after first active treatment were in remission at 6 Months.

<sup>a</sup>'6 Months' or 'Month 6' (end of trial) was at approximately 6 months post-study start (median 168 days from Day 1 of double-blind part). <sup>b</sup>Includes 63 patients who completed the 6-month OLE per protocol (18 patients terminated early are excluded). <sup>c</sup>Remission defined as a MADRS total score  $\leq 10$ .

Abbreviations: MADRS = Montgomery-Åsberg Depression Rating Scale; OLE = Open-label extension.

# 83% Fewer Treatment Visits with GH001 than with Spravato®



Note: To-date, no head-to-head comparisons of any other products to any of our product candidates have been completed in any clinical trial; results have been obtained from different trials with different designs, endpoints, and patient populations; results may not be comparable.

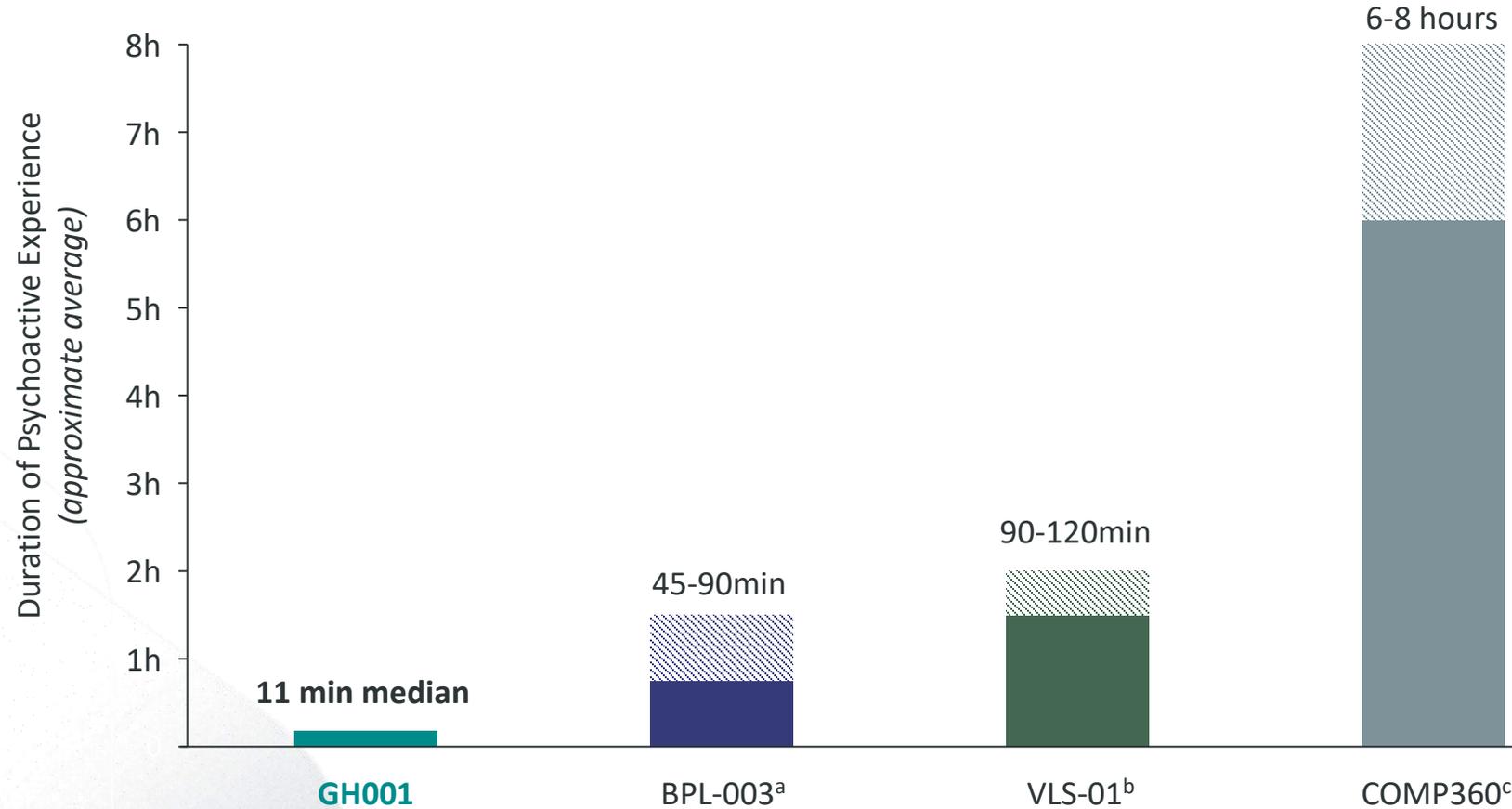
<sup>a</sup>Four GH001 visits deduced from the mean total number of treatments received by patients who completed the OLE and were in remission at 6-months of the GH001-TRD-201 trial. <sup>b</sup>'6 months' (end of trial) was at approximately 6 months post-study start (median 168 days from Day 1 of double-blind part). <sup>c</sup>SPRAVATO® Assumes 23 treatment visits, as per standard initiation protocol of eight and four sessions in Months 1 and 2, respectively, and ICER assumed maintenance treatment frequency of 2.86 treatments per month for Months 3-6.<sup>1,2,3</sup> <sup>d</sup>Remission defined as MADRS ≤10; Spravato® 32-Week remission rates from ESCAPE-TRD trial were 49.1% remission at 32 weeks (55.0% with LOCF method)<sup>4</sup>.

Abbreviations: ICER = Institute for Clinical and Economic Review; LOCF = Last observation carried forward; MADRS = Montgomery-Åsberg Depression Rating Scale; OLE = Open-label extension; TRD = Treatment-resistant depression.

1. Johnson & Johnson Spravato Access, Coding and Reimbursement Guide. 2. ICER Spravato® Final Evidence Report. 3. Jansscience.com, Dosage and Administration of Spravato, Duration of Therapy. 4. Reif et al. New Engl J Med 2023.



# Median Duration of the Psychoactive Experience of 11 minutes (Double-Blind & OLE treatments)



Note: To-date, no head-to-head comparisons of any other products to any of our product candidates have been completed in any clinical trial; results have been obtained from different trials with different designs, endpoints, and patient populations; results may not be comparable.

<sup>a</sup>Assumption of BPL-003 duration of ~90min psychoactive phase from Phase 1 SDI results as reported in Rucker et al., 2024. <sup>b</sup>VLS-01 duration of 90-120 minutes psychoactive experience from Phase 1b results, mean SIRS scores graph, (atai Life Sciences Corporate Presentation, October 2025). <sup>c</sup>COMP360 duration of ~6h from Compass Pathways website, which states "The psilocybin experience typically lasts 6 to 8 hours".

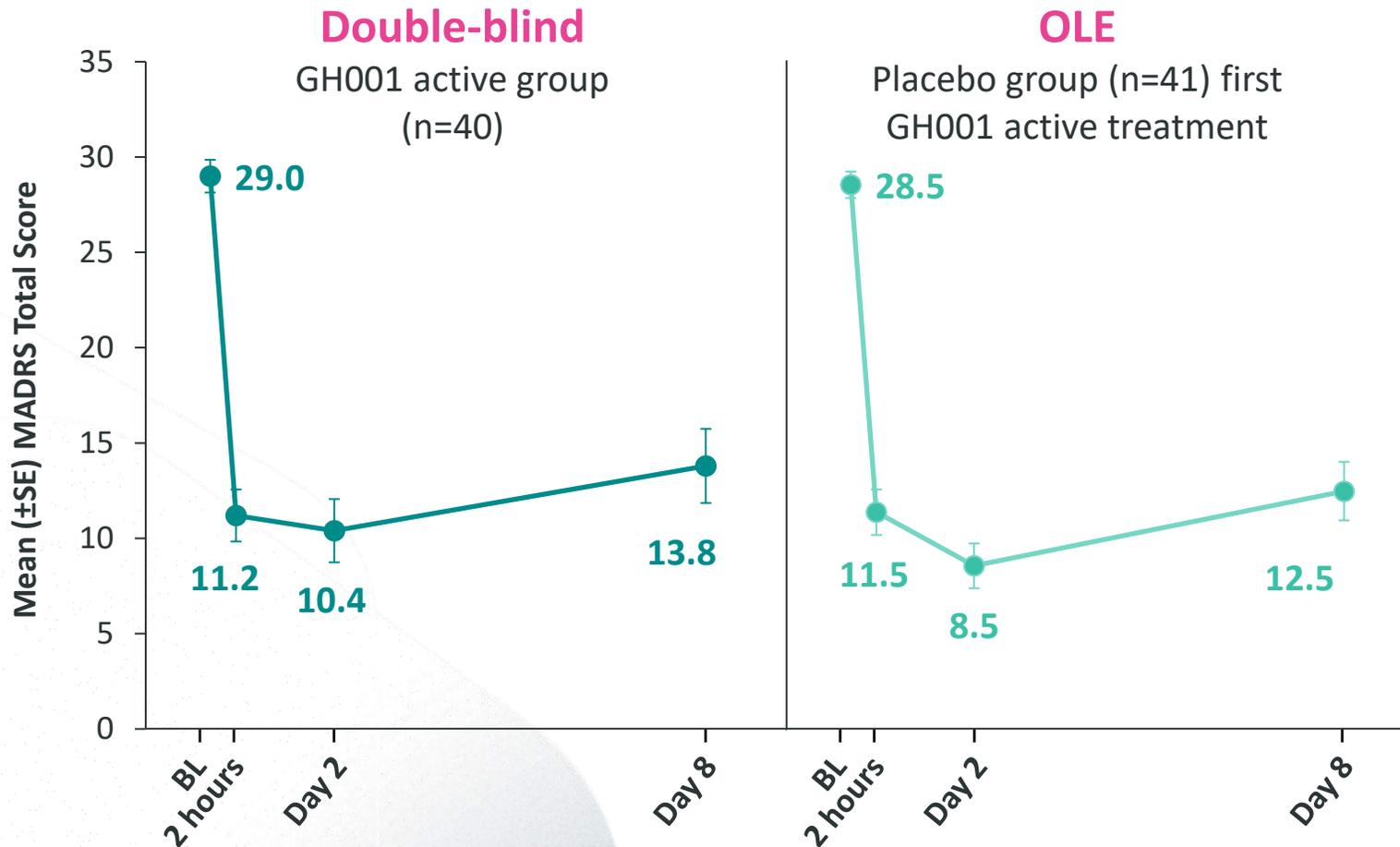
Abbreviations: h = Hours; min = Minutes; OLE = Open-label extension; SDI = Subjective drug intensity; SIRS = Subjective Intensity Rating Scale; TRD = Treatment-resistant depression.

# Safety in Double-Blind and Open-Label Extension



- **There were no treatment-related SAEs during the 6-month duration of the trial.**
- All patients completed the double-blind part and automatically transitioned to the OLE
- No TEAEs of suicidal intent or suicidal behavior occurred
- Across the double-blind and OLE, patients were deemed discharge ready by 1 hour from dose administration at 99% of treatment visits (>250 GH001 treatments in 81 patients)

# Reproducibility of MADRS Reduction Demonstrated in Phase 2b Trial



- MADRS reduction in the Placebo group following first active treatment<sup>a</sup> after entering the OLE, was comparable to the results observed in the GH001 group in the DB part, showing **reproducibility of effects**.
- OLE data shows GH001 leads to a **consistent and rapid reduction in MADRS after each GH001 treatment**, as in the DB part

<sup>a</sup>An active treatment refers to treatment with GH001.

Abbreviations: BL = Baseline; DB = Double-blind; MADRS = Montgomery-Åsberg Depression Rating Scale; OLE = Open-label extension; PBO = Placebo; SE = Standard error; SEM = Standard error of mean.

- All patients enrolled in the DB part of the trial directly transitioned into the OLE at the end of the DB period.
- Once a patient completed the Day 8 visit of the DB part, if re-treatment criteria were met, a GH001 treatment could be administered.
- All patients allocated placebo in the DB part received at least one treatment with GH001 in the OLE.



# Potential Value-Add for GH001 in TRD

## Best in Therapeutic Category (TRD)

- **Efficacy:** Pbo-adj MADRS  $\Delta$  of **-15.5** with GH001 vs **-6.8** with Spravato monotherapy<sup>a</sup> vs **~-4** with oral AD<sup>b</sup>
- **Length of PsE:** Median of **11 mins** with GH001 vs **~1.5 hours** with Spravato<sup>c</sup>
- No additional psychotherapy/therapist visits with GH001; **83% fewer treatment visits** with GH001 than with Spravato<sup>d</sup>

## Best in Class (Psychedelics)

- **Efficacy:** Pbo-adj MADRS  $\Delta$  of **-15.5** with GH001 vs **-3.6** with COMP360 (Phase 3 data)<sup>e</sup>
- **Length of PsE:** Median of **11 mins** with GH001 vs **6-8 hours** for COMP360<sup>g</sup> vs **45-90 mins** for BPL-003<sup>f</sup>
- No additional psychotherapy/therapists visits with GH001

## Best in Molecule (Mebufotenin; 5-MeO-DMT)

- **Efficacy:** Day 8 remission rate of **57.5%** with GH001 vs **26%** with BPL-003 8 mg dose<sup>h</sup>
- **Length of PsE:** Median of **11 mins** with GH001 vs **45-90 mins** for BPL-003<sup>f</sup>
- No additional psychotherapy/therapists visits with GH001

Note: To-date, no head-to-head comparisons of any other products to any of our product candidates have been completed in any clinical trial; results have been obtained from different trials with different designs, endpoints, and patient populations; results may not be comparable. While Spravato has been approved by the FDA, GH001 has not been approved by the FDA or any other regulatory authority.

<sup>a</sup>Spravato<sup>®</sup> monotherapy data for 84mg dose from TRD4005 trial, presented at ECNP 2024. <sup>b</sup>Auvelity, data at Week 6 GEMINI trial, Iosifescu et al., 2022. <sup>c</sup>Dissociative effects/perceptual disturbances, Popova et al., Am J Psychiatry 2019.

<sup>d</sup>Assumes 23 treatment visits, as per standard initiation protocol of 8 & 4 sessions in Months 1 and 2, respectively, and ICER assumed maintenance treatment frequency of 2.86 treatments per month for Months 3-6. See slide 11. <sup>e</sup>Compass Pathways press release June 23, 2025. <sup>f</sup>BPL-003 duration assumption from Phase 1 SDI results as reported in Rucker et al., 2024. <sup>g</sup>COMP360 duration assumption from Compass Pathways website, which states "The psilocybin experience typically lasts 6 to 8 hours". <sup>h</sup>Atai Corporate Deck, July 2025.

Abbreviations: ICER = Institute for Clinical and Economic Review; MADRS = Montgomery-Åsberg Depression Rating Scale; PsE = Psychoactive effect; SDI = Subjective drug intensity; TRD = Treatment-resistant depression; AD = antidepressant; Pbo-adj = placebo-adjusted.

# Three-Layer Protection Strategy



## LAYER 1: REGULATORY EXCLUSIVITY

FDA:	5 years	(+2.5 years paragraph IV stay)
EMA:	10 years	(+1 year for new indication)

## LAYER 2: PATENTS

Granted patents and patent applications relating to mebufotenin, including:

- Novel uses in various disorders (including inhaled, nasal, buccal, sublingual, i.v., i.m., s.c. routes)
- Novel aerosol compositions of matter
- Novel manufacturing methods and novel salt forms
- Novel device-related aspects

## LAYER 3: TECHNICAL

Complex bioequivalence for systemically-acting inhalation/intranasal products with high intra- and inter-subject variability

# **GH001 Key Milestones Achieved and Next Steps**



## **Phase 2b Trial**

Unprecedented Efficacy in TRD

Positioning GH001 as potentially practice-changing



## **Pivotal Phase 3 Program**

Designed in line with the FDA Guidelines and to replicate the Phase 2b data

**Global Phase 3 start in 2026**

Abbreviations: TRD = Treatment Resistant Depression; IND = Investigational New Drug; FDA = Food and Drug Administration