

# Vibrance-3: Study Design and Methods for a Phase 2, Randomized, Placebo-Controlled, Parallel-Group Study Evaluating the Safety and Efficacy of ALKS 2680 in Patients With Idiopathic Hypersomnia

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## INTRODUCTION

- Idiopathic hypersomnia (IH) is a central disorder of hypersomnolence characterized by excessive daytime sleepiness (EDS), with sleep inertia, long/unrefreshing naps, and prolonged nighttime sleep<sup>1</sup>
- Orexin acts as a key regulator of wakefulness via activation of multiple downstream wake-promoting pathways<sup>2</sup>
- Targeting the orexin system may address EDS across hypersomnolence disorders with orexin deficiency (narcolepsy type 1 [NT1]) and without orexin deficiency (eg, narcolepsy type 2 [NT2], IH)<sup>3</sup>
- Unlike NT1, IH is not characterized by a loss of orexin-producing neurons or low endogenous central nervous system orexin levels
- ALKS 2680 is a highly potent, oral, and selective orexin 2 receptor agonist being developed as a once-daily treatment for narcolepsy and IH
- In a phase 1b study in patients with IH, single doses of ALKS 2680 at 5, 12, and 25 mg demonstrated statistically significant, clinically meaningful improvements in mean sleep latency, improved self-reported alertness on the Karolinska Sleepiness Scale, and were generally well tolerated<sup>4,5</sup>
- The results of the phase 1b study demonstrated that ALKS 2680 may have clinical benefits for patients with IH and helped inform dose selection for the Vibrance-3 phase 2 study
  - ALKS 2680 is also being evaluated in patients with NT1 and NT2 in the phase 2 Vibrance-1 (NCT06358950) and Vibrance-2 (NCT06555783) studies, respectively

## OBJECTIVE

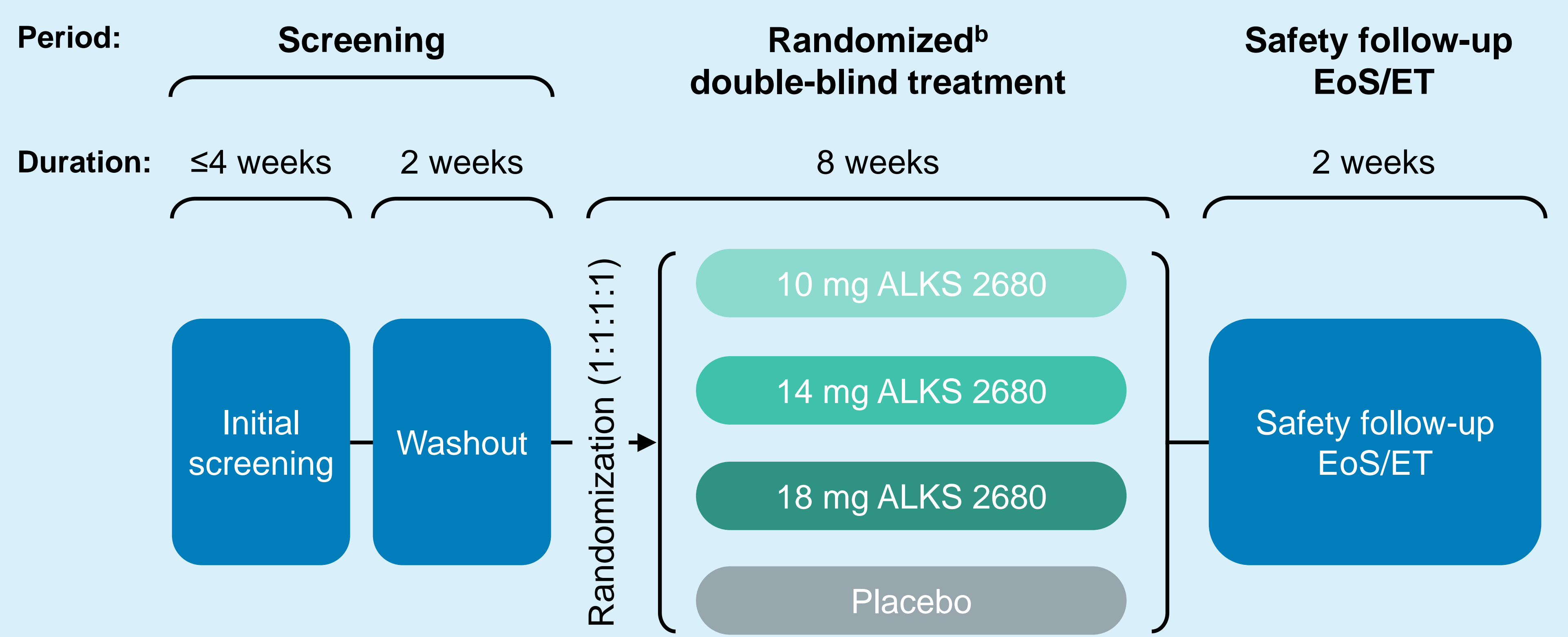
- The Vibrance-3 study (ClinicalTrials.gov identifier: NCT06843590)<sup>6</sup> aims to assess the safety and efficacy of once-daily ALKS 2680 compared with placebo through 8 weeks of treatment in adults with IH

## METHODS

### STUDY DESIGN

- Vibrance-3 is a phase 2, randomized, double-blind, placebo-controlled, parallel-group, dose-range-finding study (**Figure 1**)<sup>6</sup>
- Following a 2-week washout period from current standard of care, patients will be randomized 1:1:1:1 to receive placebo or ALKS 2680 once daily at doses of 10, 14, or 18 mg for 8 weeks
- Patients who complete Vibrance-3 may be eligible to roll over into a separate open-label, long-term extension study (NCT06767683)

**FIGURE 1: Vibrance-3 Study Design<sup>a</sup>**

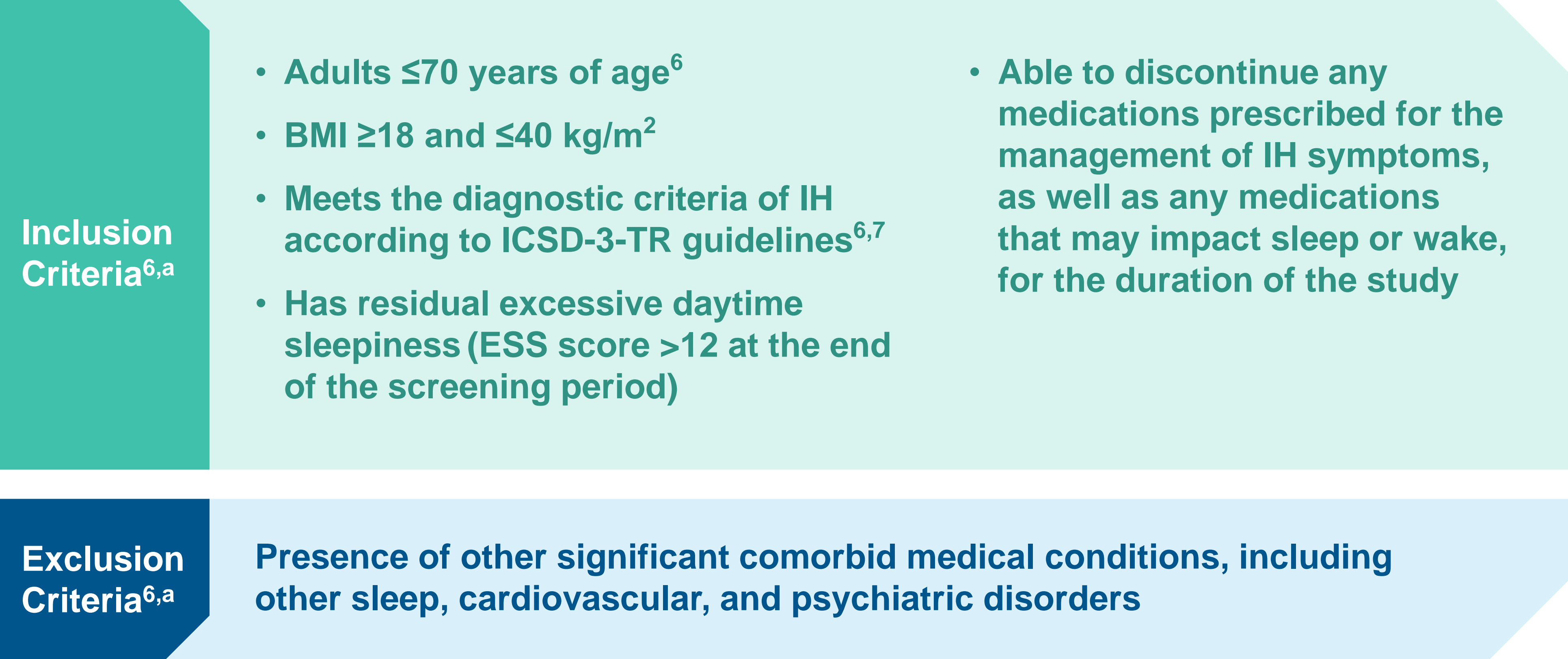


<sup>a</sup>The study is being conducted in the USA, Australia, and Europe. <sup>b</sup>Randomization will stratify by region (USA and rest of world) and by the duration of nighttime sleep (<9 hours, 9-11 hours, and >11 hours). EoS = end of study; ET = early termination.

### STUDY POPULATION

- Planned enrollment is approximately 96 patients with IH
- Key inclusion and exclusion criteria are described in **Figure 2**

**FIGURE 2: Key Inclusion and Exclusion Criteria**

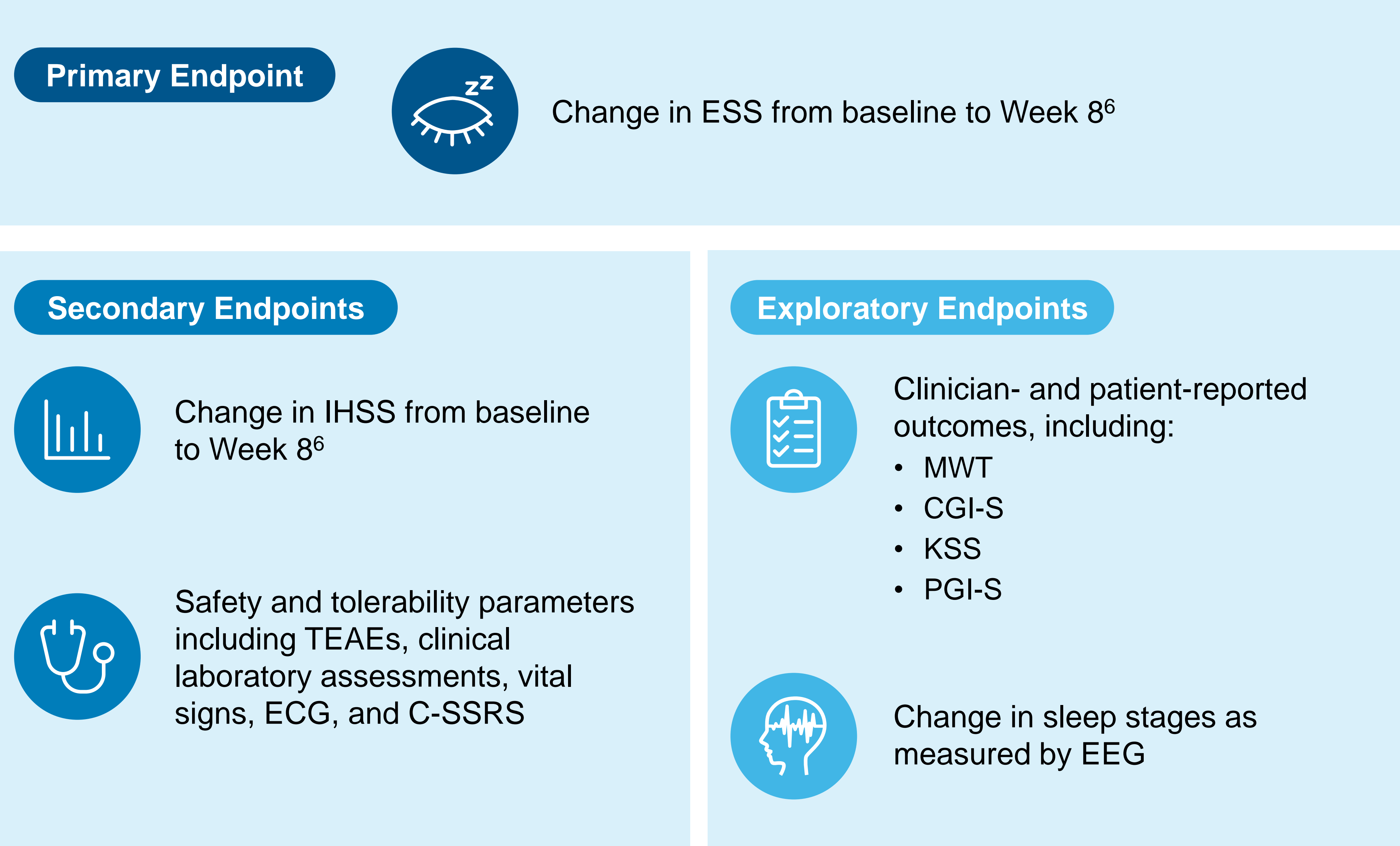


<sup>a</sup>Additional criteria apply. Eligibility will be determined on an individual basis by the study investigator. BMI = body mass index; ESS = Epworth Sleepiness Scale; ICSD-3-TR = *International Classification of Sleep Disorders, Third Edition, Text Revision*; IH = idiopathic hypersomnia.

### STUDY ENDPOINTS

- Primary, secondary, and exploratory endpoints are summarized in **Figure 3**

**FIGURE 3: Study Endpoints**



CGI-S = Clinical Global Impression of Severity; C-SSRS = Columbia-Suicide Severity Rating Scale; ECG = electrocardiogram; EEG = electroencephalogram; ESS = Epworth Sleepiness Scale; IHSS = Idiopathic Hypersomnia Severity Scale; KSS = Karolinska Sleepiness Scale; MWT = Maintenance of Wakefulness Test; PGI-S = Patient Global Impression of Severity; TEAE = treatment-emergent adverse event.

## SUMMARY

- Vibrance-3 is evaluating once-daily ALKS 2680 over 8 weeks in patients with IH
- To learn about participation or patient referrals for Vibrance-3, please visit [vibrancestudies.com](https://vibrancestudies.com) or [ClinicalTrials.gov/study/NCT06843590](https://ClinicalTrials.gov/study/NCT06843590)



Visit  
[vibrancestudies.com](https://vibrancestudies.com)



Visit Vibrance-3 at  
[ClinicalTrials.gov](https://ClinicalTrials.gov)

### References

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