



## Sensorion presented data from the caloric test with SENS-111 at the EACPT conference

- *SENS-111 delays the occurrence and reduces the duration of vertigo induced by the caloric test in healthy volunteers*
- *The compound's ability to orally produce a targeted effect confirmed*

**Montpellier, October 6, 2016** - Sensorion (FR0012596468 – ALSEN), a biotech company specializing in the treatment of inner ear diseases, today announces that the results of the caloric test undertaken during the phase 1b clinical trial on SENS-111 have been presented at the EACPT (European Association for Clinical Pharmacology and Therapeutics) conference held in Opatija, Croatia, from October 6 to 9, 2016.

**Title of the abstract:** [\*The effects of SENS-111, a new H4R antagonist, on vertigo induced by caloric test in healthy volunteers \(HV\) is related to plasma concentrations\*](#)

The caloric test, developed by Robert Barany Nobel Prize laureate in Medicine in 1914, is a diagnostic test used in clinical practice to explore the balance (vestibular) system in patients suffering from vertigo. Cold and hot water are in turn instilled into both ears via a nozzle; this test determines whether the vestibular system is functioning correctly.

Within the phase 1b clinical trial with SENS-111, Sensorion used this test in 60 healthy volunteers, modifying it to induce the symptoms of vertigo and thus to assess the activity of SENS-111 administered via daily oral doses increasing from 50mg to 250mg over 4 to 7 days.

The resulting data analysis proved that SENS-111 slowed the appearance of vertigo in a statistically significant manner at plasma concentrations of up to 500ng/mL. Above this concentration level, this positive effect progressively disappeared. In a consistent way, the duration of the vertigo was gradually and significantly reduced up to these same levels of SENS-111 plasma concentration.

**Prof. Frédéric Venail M.D. Ph.D., ENT department of the Gui de Chauliac University Hospital in Montpellier, INSERM U1051 Physiopathology of Sensory and Motor Deficits unit, stated:** *"The results of the caloric test show that SENS-111 has an effect in reducing bouts of vertigo induced in healthy volunteers. These results are of crucial importance for clinicians and patients, given the debilitating nature of crises of vertigo and the limited efficacy of the treatments that are currently available. We are eager to assess SENS-111's efficacy profile on a broader scale within a phase 2 clinical trial."*

**Pierre Attali, Sensorion's Chief Medical Officer, adds:** *"The results obtained with SENS-111 in the caloric test are entirely consistent with those obtained in preclinical tests in our screening platform. They confirm the latter's ability to identify first-in-class orally active molecules, validating one of the major differentiating factors of our technology. These results have enabled us to define the optimal dose of SENS-111 for the international phase 2 study in patients with acute severe vertigo that is currently being prepared."*

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## About SENS-111

SENS-111 is the first representative of the histamine type 4 receptor antagonist class tested in inner-ear pathologies. This drug candidate displays a neuromodulation effect of the sensorineural inner ear cell function and is being developed for the symptomatic treatment of vertigo crises or tinnitus. SENS-111 is a small molecule that can be taken orally or via a standard injection, and has been successfully assessed in humans in phase 1b.

## About Sensorion

Sensorion specializes in the treatment of pathologies of the inner ear such as acute vertigo, tinnitus and hearing loss. The company was founded by Inserm (the French Institute of Health and Medical Research) and is utilizing its pharmaceutical R&D experience and comprehensive technology platform to develop first-in-class easy-to-administer, notably orally active, drug candidate programs for treating hearing loss and the symptoms of vertigo and tinnitus, for preventing and treating complications associated with progressive lesions in the inner ear, and for preventing the toxicity of chemotherapy in the inner ear. Based in Montpellier, southern France, Sensorion received financial support from Bpifrance, through the InnoBio fund, and Inserm Transfert Initiative.

Sensorion is listed on Alternext Paris since April 2015. [www.sensorion-pharma.com](http://www.sensorion-pharma.com)

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