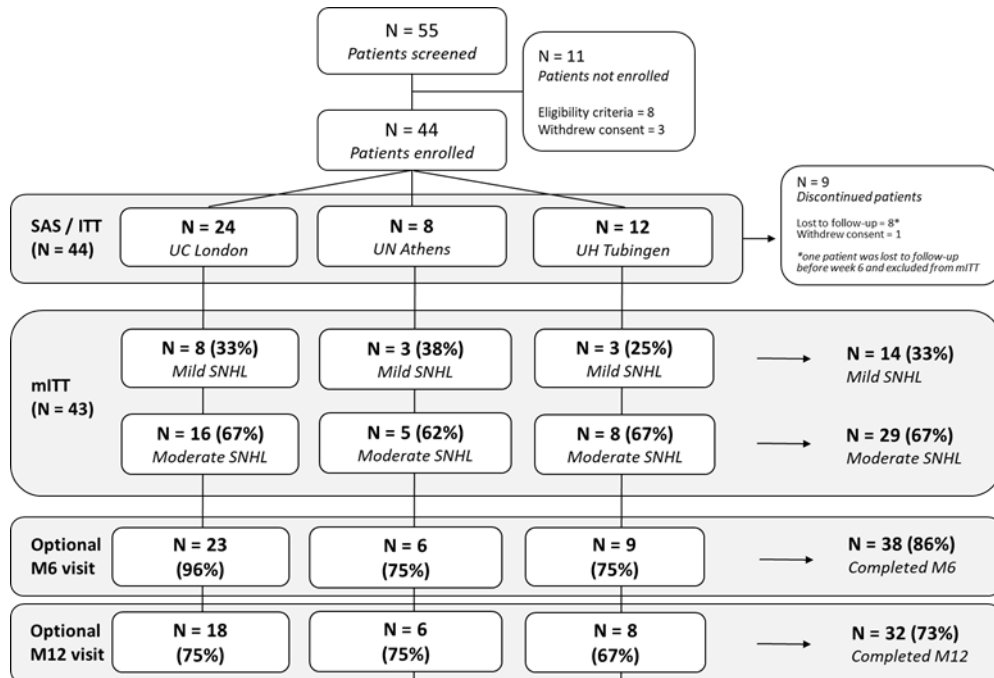


- **Participant Flow**



- **Baseline Characteristics and common Adverse Events**

		Phase IIa
Dose level	µg	250
Number of participants	N	44
Age	Median (years)	58
	Min - Max (years)	32 - 73
Gender	Female	15 (34.1%)
	Male	29 (65.9%)
Ethnic group	White	42 (95.4%)
	Asian	1 (2.3%)
	Other	1 (2.3%)
Years of Schooling	Median (years)	16
	Min - Max (years)	8 – 24
Education	Primary schooling only	1 (2.3%)
	Secondary schooling	20 (45.5%)
	Tertiary / higher education	23 (52.3%)
Severity of Hearing Loss	Mild	14 (33.3%)
	Moderate	29 (66.7%)
	Mean Pure-Tone HLA 2,4,8 kHz	55.3 ± 9.3 HL
Duration of Hearing Loss	Range (yrs)	0-19
Adverse Events	Injection site pain	39 (88.6%)
	Ear pain	13 (29.5%)
	Ear discomfort	6 (13.6%)
	Procedural pain	11 (25%)
	Decreased hearing	6 (13.6%)
	Tinnitus	15 (34.1%)
	Dizziness	6 (13.6%)

- **Outcome Measures:**

The primary efficacy endpoint	Average change in hearing from baseline in the treated ear at 12 weeks across three frequencies (2, 4, 8 kHz), as measured by Pure-Tone Audiometry (PTA) (dBHL).
The secondary efficacy endpoints up to week 12	<p>Hearing:</p> <ul style="list-style-type: none"> -Change from baseline at 6 and 12 weeks (treated ear, untreated ear and difference), in terms of: -Hearing level as tested by PTA (dBHL) at individual frequencies (0.25, 0.5, 1, 2, 3, 4, 6, 8, 12.5 and 16 kHz) -Average change in hearing level across three frequencies (2, 4, 8 kHz), as measured by PTA (dBHL) (at 6 weeks only) -Speech audiometry as tested by speech in noise testing to determine signal to noise ratio loss shift -Middle ear immittance as tested by tympanometry and Acoustic Reflex Testing (ART) to determine middle ear pressure, volume and compliance values and acoustic threshold reflex shift -Distortion Product Oto-Acoustic Emissions (DPOAE) – Signal to Noise Ratio (SNR) and absolute levels -Cochlear dead regions as tested by the Threshold Equalising Noise test -Hearing specific quality of life (per patient), as measured by the Hearing Handicap Inventory for Adults/Elderly (HHIA/E) questionnaire -Level of tinnitus as measured by the Tinnitus Functional Index (TFI) -Change in Hearing Aid use as measured by the Hearing Aid - Outcome Questionnaire (at month 6 and 12 optional visits) <p>Balance:</p> <ul style="list-style-type: none"> -Change from baseline at 12 weeks, as measured by a clinical balance assessment, including History and Examination (Eye Movements, Head Thrust, modified Romberg, Unterberger, Bithermal Air Calorics using Videonystagmography [VNG]), and Dizziness Handicap Inventory
Endpoints at 6 and 12 months	<p>Hearing:</p> <ul style="list-style-type: none"> -Average change in hearing from baseline in the treated ear across three frequencies (2, 4, 8 kHz), as measured by Pure-Tone Audiometry (PTA) (dBHL) -Change from baseline (treated ear, untreated ear and difference), in terms of: Hearing level as tested by PTA (dBHL) at individual frequencies (0.25, 0.5, 1, 2, 3, 4, 6, 8, 12.5 and 16 kHz) -Average change in hearing level across three frequencies (2, 4, 8 kHz), as measured by PTA (dBHL) -Speech audiometry as tested by speech in noise testing to determine signal to noise ratio loss shift -Middle ear immittance as tested by tympanometry -Distortion Product Oto-Acoustic Emissions (DPOAE) – Signal to Noise Ratio (SNR) and absolute levels -Hearing specific quality of life (per patient), as measured by the Hearing Handicap Inventory for Adults/Elderly (HHIA/E) questionnaire -Level of tinnitus as measured by the Tinnitus Functional Index (TFI) -Change in Hearing Aid use as measured by the Hearing Aid Outcome Questionnaire (at month 6 and 12 optional visits) <p>Balance:</p> <ul style="list-style-type: none"> -Change from baseline at 12 weeks, as measured by a clinical balance assessment
Safety and tolerability endpoints	-Hearing and balance as defined in the above endpoints

	<ul style="list-style-type: none">-Facial nerve function: Change from baseline at the treated side up to month 12, in terms of: Facial nerve function as measured by the House-Brackman grading scale-Taste, as reported by the patient (no change, altered taste, loss of taste)-Occurrence and severity of Investigational Medicinal Product (IMP)-related local and systemic AEs up to 12 months-Occurrence and severity of procedure related local and systemic AEs up to 12 months-Occurrence of systemic AEs as measured by potentially clinically significant changes in Electrocardiogram (ECG), vital signs, physical examinations and laboratory tests up to 12 weeks-Occurrence of injection sites reactions in and around the treated ear as assessed by otomicroscopy up to 12 months
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