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(54) Title: **AZASETRON FOR THE TREATMENT OF SUDDEN SENSORINEURAL HEARING LOSS**

(57) Abstract: The present invention relates to azasetron or an analog of azasetron, or a pharmaceutically acceptable salt and/or solvate thereof, for use in the treatment of severe or profound sudden sensorineural hearing loss (SSNHL) in a subject in need thereof. In particular, the present invention relates to azasetron or an analog of azasetron, or a pharmaceutically acceptable salt and/or solvate thereof, for use in the treatment of severe or profound SSNHL in a subject suffering from severe or profound SSNHL associated with (i) a hearing threshold at baseline corresponding to a pure tone audiometry (PTA) at baseline equal to or greater than 70 dB, preferably equal to or greater than 80 dB, more preferably equal to or greater than 90 dB; (ii) a hearing loss at baseline equal to or greater than 91 dB corresponding to a profound hearing loss according to the American Speech-Language-Hearing Association (ASHA) classification; (iii) a hearing loss at baseline affecting frequencies equal to or lower than 2000 Hz; and/or (iv) the presence of vertigo at baseline.



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