

Product Data Sheet

Product Name: Sozinibercept

Cat. No.: GC70936

Chemical Properties

Cas. No. 2568358-31-4

Formula M.Wt

Solubility Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Sozinibercept

Background

Sozinibercept (OPT 302; VGX-300) is a soluble form of VEGFR-3, potently inhibits the activity of VEGF-C/D, which are the proangiogenic factors, inhibiting angiogenesis and vascular leakage. Sozinibercept also inhibits diabetic retinal edema in rats.

Sozinibercept inhibits CNV lesion formation and vascular leakage in the mouse laser-induced model

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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of choroidal neovascularization (CNV). Moreover, Sozinibercept exhibits comparable efficacy to Aflibercept in CNV mouse model^{[1][2]}.

Sozinibercept (intravitreal injection; once every 4 wk for 4 months) shows selective inhibition of VEGF-C/D, and inhibits diabetic retinal edema induced by streptozotocin (STZ) in the rat model, and equivalent to inhibition of VEGF-A inhibitor (Aflibercept)^[3].

References:

- [1]. Lashkari K, et al. VGX-300, a 'Trap' for VEGF-C and VEGF-D, Inhibits Choroidal Neovascularization and Vascular Leakage in a Mouse Model of Wet AMD[J]. Investigative Ophthalmology & Visual Science, 2015, 56(7): 4802-4802.
- [2]. Lashkari K, et al. VEGF-C and VEGF-D Blockade by VGX-300 Inhibits Choroidal Neovascularization and Leakage in a Mouse Model of wet AMD[J]. Investigative Ophthalmology & Visual Science, 2014, 55(13): 1823-1823.
- [3]. Turunen T, et al. VEGF-C and VEGF-D Inhibition by VGX-300 Effectively Reduces Leukocyte Adhesion and Vascular Leakage in the STZ-Rat Model of Diabetic Retinal Edema[J]. Investigative Ophthalmology & Visual Science, 2019, 60(9): 3667-3667.

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