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## Product Data Sheet

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Product Name: Interphotoreceptor Retinoid Binding Protein Fragment IRBP

Cat. No.: GC36321

### Chemical Properties

Cas. No. 211426-18-5

Formula C<sub>103</sub>H<sub>157</sub>N<sub>25</sub>O<sub>29</sub>

M.Wt

2209.5

Solubility Soluble in DMSO

Storage

Store at -20°C

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

### Background

Interphotoreceptor Retinoid Binding Protein Fragment (IRBP), a 20-residue peptide and a major pathogenic epitope, is present in the first homologous repeat of the interphotoreceptor retinoid binding protein peptide (IRBP 161-180), which can induce posterior uveitis (EAU)[1].

[1]. Tang J, et al. Autoimmune uveitis elicited with antigen-pulsed dendritic cells has a distinct clinical signature and is driven by unique effector mechanisms: initial encounter with autoantigen defines disease phenotype. *J Immunol.* 2007 May 1;178(9):5578-87. [2]. Cortes LM, et al. Inhibitory peptide analogs derived from a major uveitogenic epitope protect from antiretinal autoimmunity by inducing type 2 and regulatory T cells. *J Leukoc Biol.* 2008 Aug;84(2):577-85. [3]. Yang H, et al. Activation of liver X receptor alleviates ocular inflammation in experimental autoimmune uveitis. *Invest Ophthalmol Vis Sci.* 2014 Apr 28;55(4):2795-804.

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

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