

IRBP acetate(211426-18-5 free base)

Chemical Properties

CAS No. :

Formula: C105H161N25O31

Molecular Weight: 2269.55

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Ser-Gly-Ile-Pro-Tyr-Ile-Ile-Ser-
Tyr-Leu-His-Pro-Gly-Asn-Thr-
Ile-Leu-His-Val-Asp(acetate salt)

Biological Description

Description	IRBP acetate(211426-18-5 free base) (Interphotoreceptor Retinoid Binding Protein Fragment IRBP) is a 20-residue peptide, which is a major pathogenic epitope. It exists in the first homologous repeat of interstitial visual pigment Binding Protein peptide (IRBP 161-180) and can induce post-uveitis (EAU).
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 2.5 mM,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4406 mL	2.2031 mL	4.4062 mL
5 mM	0.0881 mL	0.4406 mL	0.8812 mL
10 mM	0.0441 mL	0.2203 mL	0.4406 mL
50 mM	0.0088 mL	0.0441 mL	0.0881 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

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.

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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