

Gp100 (25-33), human

Chemical Properties

CAS No. : 212370-40-6

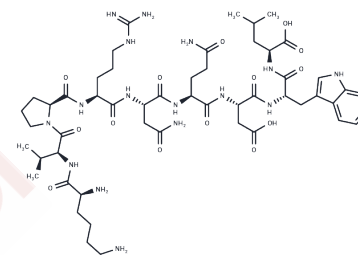
Formula: C52H82N16O14

Molecular Weight: 1155.31

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.



Biological Description

Description	Gp100 (25-33), human is the amino acids 25-33 fragment of the human melanoma antigen. It is a 9-amino acid (AA) epitope restricted by H-2Db and recognized by the T cells. This is amino acids 25 to 33 fragment of human melanoma antigen gp100. This H-2Db restricted epitope is recognized by T cells. The gp100-specific, H-2Db-restricted, CD8+ T cells are capable of recognizing B16 melanoma but not normal melanocytes.
Targets(IC50)	MHC

Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8656 mL	4.3278 mL	8.6557 mL
5 mM	0.1731 mL	0.8656 mL	1.7311 mL
10 mM	0.0866 mL	0.4328 mL	0.8656 mL
50 mM	0.0173 mL	0.0866 mL	0.1731 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

Overwijk WW, et al. gp100/pmel 17 is a murine tumor rejection antigen: induction of "self"-reactive, tumoricidal T cells using high-affinity, altered peptide ligand. J Exp Med. 1998 Jul 20;188(2):277-86.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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