

I $\alpha$ 52 acetate(137756-45-7 free base)

## Chemical Properties

CAS No. :

Formula: C75H122N20O27

Ala-Ser-Phe-Glu-Ala-Gln-Gly-  
Ala-Leu-Ala-Asn-Ile-Ala-Val-  
Asp-Lys-Ala(acetate salt)

Molecular Weight: 1735.89

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	I $\alpha$ 52 acetate is a naturally processed peptide encompassed the residues 52-68 of the murine I-E $\alpha$ chain and may contribute to selection of immature T cells.
Targets(IC50)	Others

## Solubility Information

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

	1mg	5mg	10mg
1 mM	0.5761 mL	2.8804 mL	5.7607 mL
5 mM	0.1152 mL	0.5761 mL	1.1521 mL
10 mM	0.0576 mL	0.288 mL	0.5761 mL
50 mM	0.0115 mL	0.0576 mL	0.1152 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

Bonnin D, et al. Ontogeny of synonymous T cell populations with specificity for a self MHC epitope mimicked by a bacterial homologue: an antigen-specific T cell analysis in a non-transgenic system. Eur J Immunol. 1999 Dec;29(12):3826-36.

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