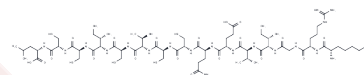


## Insulin alpha-chain (1-13)

## Chemical Properties

CAS No. :	872036-64-1
Formula:	C66H118N20O22S3
Molecular Weight:	1639.96
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	This peptide is a fragment of the alpha-chain of insulin amino acids 1 to 13. The insulin a-chain epitope recognized by human T cells is posttranslationally modified.
Targets(IC50)	IGF-1R

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6098 mL	3.0489 mL	6.0977 mL
5 mM	0.122 mL	0.6098 mL	1.2195 mL
10 mM	0.061 mL	0.3049 mL	0.6098 mL
50 mM	0.0122 mL	0.061 mL	0.122 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

Mannering SI, et al. The A-chain of insulin is a hot-spot for CD4+ T cell epitopes in human type 1 diabetes. Clin Exp Immunol. 2009 May;156(2):226-31.

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