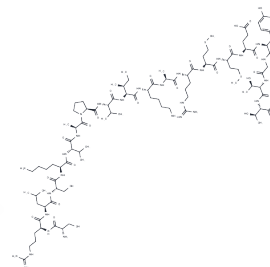


## GAD65 (524-543)

## Chemical Properties

CAS No. :	152468-44-5
Formula:	C97H168N28O28S2
Molecular Weight:	2238.67
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	GAD65 (524-543) is a biologically active peptide comprising amino acids 524 to 543 of glutamic acid decarboxylase 65 (GAD65). It represents an early islet antigen fragment that elicits proliferative T cell responses in the non-obese diabetic (NOD) mouse model, instrumental in spontaneous autoimmune diabetes research. The peptide serves as a specific, possibly low-affinity stimulant for the diabetogenic T cell clone BDC2.5. Notably, immunization with GAD65 (524-543) heightens NOD mice's vulnerability to type 1 diabetes when subjected to the adoptive transfer of BDC2.5 T cells.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4467 mL	2.2335 mL	4.4669 mL
5 mM	0.0893 mL	0.4467 mL	0.8934 mL
10 mM	0.0447 mL	0.2233 mL	0.4467 mL
50 mM	0.0089 mL	0.0447 mL	0.0893 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481