

Diamyd

Diamyd® is a suspension for injection containing the active pharmaceutical ingredient GAD65 mixed with the vaccine adjuvant Alhydrogel (alum). Diamyd is novel disease-modifying drugs, the antigenspecific immunotherapy. The human recombinant protein GAD65 is manufactured in insect cells in a well-controlled GMP process together with an experienced contract manufacturer. The manufacturing process is developed for late phase clinical use. Diamyd Medical has drug ready for use in clinical trials through 2021.

Diamyd® is a novel antigen-specific immunotherapy for the treatment of autoimmune diabetes. Diamyd® is based on the protein GAD65, an activator of the immune system involved in the pathology of autoimmune diabetes.

Preventing destruction of insulin producing cells- Clinical data indicate the potential of Diamyd® to slow down or halt the autoimmune destruction of insulin producing beta cells. The effect is achieved through antigenspecific reprogramming of immune cells using ultrasound guided administration of low doses of Diamyd® into superficial lymph nodes.

Reducing complications of autoimmune diabetes-By preventing the autoimmune destruction of insulin producing cells, Diamyd® has the potential to significantly reduce the complications of type 1 diabetes and LADA. Diamyd® is in Phase IIb clinical development.

glutamate decarboxylase 65 (202-221) (CUI C1569894)

[Terms & Properties](#) [Synonym Details](#) [Relationships](#) [By Source](#) [View All](#)

Terms & Properties

Concept Unique Identifier (CUI): C1569894

Semantic Type: Amino Acid, Peptide, or Protein

Semantic Type: Enzyme

Synonyms & Abbreviations: [\(see Synonym Details\)](#)

GAD(65) P14 peptide

GAD65 P14 peptide

glutamate decarboxylase 65 (202-221)

glutamic acid decarboxylase 65 (202-221)

P14 GAD65 peptide

External Source Codes: *(none)*

Other Properties: 

Name	Value
FR	10
HM	D005968
HM	D010446
MDA	20050612
MMR	20050913
RN	EC 4.1.1.-
SC	1
SRC	J Autoimmun 2004 Dec;23(4):311-21
TERMUI	T642853
TERMUI	T642854
TERMUI	T642855
TERMUI	T642856
TERMUI	T642857
TH	NLM (2005)

Additional Concept Data: *(none)*

URL to Bookmark: [https://ncim.nci.nih.gov/ncimbrowser/ConceptReport.jsp?dictionary=NCI Metathesaurus&code=C1569894](https://ncim.nci.nih.gov/ncimbrowser/ConceptReport.jsp?dictionary=NCI%20Metathesaurus&code=C1569894)

glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa) protein, human (CUI C2000774)

[Terms & Properties](#) [Synonym Details](#) [Relationships](#) [By Source](#) [View All](#)

Terms & Properties

Concept Unique Identifier (CUI): C2000774

Semantic Type: Amino Acid, Peptide, or Protein

Semantic Type: Enzyme

Synonyms & Abbreviations: [\(see Synonym Details\)](#)

GAD2 protein, human

glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa) protein, human

External Source Codes: *(none)*

Other Properties: 

Name	Value
RN	0
TERMUI	T708285
TERMUI	T708286
TH	NLM (2007)

Additional Concept Data: *(none)*

URL to Bookmark: [https://ncim.nci.nih.gov/ncimbrowser/ConceptReport.jsp?dictionary=NCI Metathesaurus&code=C2000774](https://ncim.nci.nih.gov/ncimbrowser/ConceptReport.jsp?dictionary=NCI%20Metathesaurus&code=C2000774)