

Vildagliptin

Cat. No. CEI-0464

Lot. No. (See product label)

Introduction

Description

An antidiabetic agent. A potent inhibitor of dipeptidyl peptidase IV (DPP IV), an enzyme that breaks down Glucagon-like peptide 1 (GLP-1). By delaying the degradation of GLP-1, vildagliptin extends the action of insulin while also suppressing the release of glucagon. This leads to a reduction in elevated blood glucose levels (hyperglycemia), which is a characteristic feature of type 2 diabetes.

Synonyms

(S)-1-[N-(3-hydroxy-1-adamantyl)glycyl]pyrrolidine-2-carbonitrile

Product Information

Appearance

White to off-white solid

CAS No.

274901-16-5

Molecular Formula

C₁₇ H₂₅ N₃ O₂

Chemical Name

(S)-1-[N-(3-hydroxy-1-adamantyl)glycyl]pyrrolidine-2-carbonitrile

Molecular Weight

248.32

Purity

>97% by TLC

Targets

DPP4

Solubility

DMSO (100 mg/ml) or EtOH (20 mg/ml)

Storage and Shipping Information

Storage

-20 centigrade

Shipping Conditions

Gel pack