

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 C 17 H 25 N 3 O 2

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