

## 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