

DPP IV Inhibitor, NVP DPP 728

Cat. No. CEI-0463

Lot. No. (See product label)

Introduction

Description

A potent, selective, reversible, and slow binding dipeptidyl peptidase IV inhibitor (IC₅₀ = 14 nM). Displays >15,000 fold selectivity over DPP-II and a range of Proline-cleaving proteases. Displays anti-diabetic activity in vivo, improves glucose tolerance, increases glucagon-like peptide 1 (GLP-1) and insulin levels, and augments insulin secretion and GLUT-2 levels.

Synonyms

6-[[2-[[2-(2S)-2-Cyano-1-pyrrolidinyl]-2-oxoethyl]amino]ethyl]amino-3-pyridinecarbonitrile Dihydrochloride

Product Information

Appearance

White to off-white solid

CAS No.

247016-69-9

Molecular Formula

C₁₅H₁₈N₆O.2HCl

Chemical Name

6-[[2-[[2-(2S)-2-Cyano-1-pyrrolidinyl]-2-oxoethyl]amino]ethyl]amino-3-pyridinecarbonitrile Dihydrochloride

Molecular Weight

544.43

Purity

>98% by HPLC

Targets

DPP4

Solubility

H₂O (~50 mg/ml)

Storage and Shipping Information

Storage

-20 centigrade

Shipping Conditions

Gel pack