

## Sitagliptin Phosphate Monohydrate

Cat. No. CEI-0465

Lot. No. (See product label)

### Introduction

**Description** An anti-diabetic (antihyperglycemic) drug of the dipeptidyl peptidase-4 (DPP-4) class. Inhibition of the enzyme DPP-4 is thought to increase Glucagon-like peptide-1 (GLP-1) which inhibits glucagon release, stimulates the insulin release and lowers blood glucose.

**Synonyms** MK-0431

### Product Information

**Appearance** Off-white solid

**CAS No.** 654671-77-9

**Molecular Formula**  $C_{16}H_{15}F_6N_5O \cdot H_3PO_4 \cdot H_2O$

**Chemical Name** 7-[(3R)-3-amino-1-oxo-4-(2,4,5-trifluorophenyl)butyl]-5,6,7,8-tetrahydro-3-(trifluoromethyl)-1,2,4-triazolo[4,3-a]pyrazine phosphate

**Molecular Weight** 486.61

**Purity** >95% by HPLC

**Targets** DPP4

**Solubility** DMSO or EtOH

### Storage and Shipping Information

**Storage** -20 centigrade

**Shipping Conditions** Gel pack