Sitagliptin

**Catalog #:** 27106  
**Lot #:** 111121

**Size:** 200 mg  
**Structure:**

![Chemical Structure of Sitagliptin](image)

**CAS Registry #:** 654671-78-0

**Purity:** >99%

**Chemical Formula:** $C_{18}H_{15}F_6N_5O_3H_3PO_4$

**Molecular Weight:** 505.31

**Description:** Sitagliptin, also known as MK-0431 and Januvia, is a Dipeptidyl Peptidase IV Inhibitor.

**Appearance:** White to beige powder.

**Solubility:** Soluble in DMSO.

**Biological Activity:** Sitagliptin as a DPP-4 inhibitor has IC$_{50}$ value of 6.9 nM when testing treatment of patients with type 2 diabetes mellitus.

**DPP4 Activity**

![DPP4 Activity Graph](image)

**Storage/ Stability:** Store at or below -20°C.

**Quality Control:** The inhibitor was determined by NMR analysis.

**Reference(s):**


For R&D use only. Not for human, drug, diagnostic, household or other uses. MSDS available. Product of USA.
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