

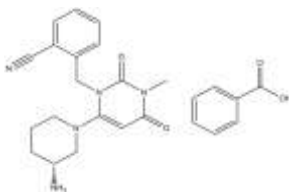
**PRODUCT: Alogliptin Benzoate**

**ALTERNATE NAME:** 2-[[6-[(3R)-3-Amino-1-piperidinyl]-3,4-dihydro-3-methyl-2,4-dioxo-1(2H)-pyrimidinyl]methyl]benzonnitrile benzoate; SYR-322, Nesina, SYR322

**CATALOG #:** 9656-50, 250

**AMOUNT:** 50 mg, 250 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>18</sub>H<sub>21</sub>N<sub>5</sub>O<sub>2</sub>·C<sub>7</sub>H<sub>6</sub>O<sub>2</sub>

**MOLECULAR WEIGHT:** 461.52

**CAS#:** 850649-62-6

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** DMSO (>10 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** Alogliptin benzoate is a potent, selective inhibitor of DPP-4 (dipeptidyl peptidase-4) with an IC<sub>50</sub> of <10 nM. Displays greater than 10,000-fold selectivity over DPP-8 and DPP-9. An anti-diabetic agent for treatment of type 2 diabetes.

**REFERENCE:** Ahren, B. (2008). *Expert Opin. Emerg. Drugs* **13**, 593-607.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Dipeptidylpeptidase IV, Human Plasma (**Cat. No. 4709-10**)  
Dipeptidylpeptidase IV, Human Recombinant (**Cat. No. 4710-10, 50, 1000**)  
Dipeptidylpeptidase IV Inhibitor, K 579 (**Cat. No. 1963-1, 5**)  
Dipeptidylpeptidase IV Inhibitor, NVP DPP 728 (**Cat. No. 1964-1, 5**)  
Diprotin A (**Cat. No. 2191-5, 25**)  
Diprotin B (**Cat. No. 2192-5, 25**)  
DiscoveryPak™ DPP-4 Inhibitors Set (**K890-5**)  
DPP4 Activity Assay Kit (**Cat. No. K779-100**)  
DPP4 Inhibitor Screening Kit (**Cat. No. K780-100**)  
Linagliptin (**Cat. No. 2240-50, 250**)  
MK-3102 (**Cat. No. 9599-1,5**)  
Sitagliptin Phosphate Monohydrate (**Cat. No. 1757-100, 1G**)  
Vlidagliptin (**Cat. No. 2188-10, 50**)

**USAGE:** FOR RESEARCH USE ONLY! Not to be used in humans!