

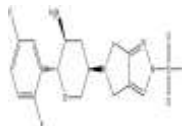
**PRODUCT: MK-3102**

**ALTERNATE NAME:** (2R,3S,5R)-2-(2,5-difluorophenyl)-5-(2-(methylsulfonyl)pyrrolo[3,4-c]pyrazol-5(2H,4H,6H)-yl)tetrahydro-2H-pyran-3-amine; Omarigliptin

**CATALOG #:** 9599-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>17</sub>H<sub>20</sub>F<sub>2</sub>N<sub>4</sub>O<sub>3</sub>S

**MOLECULAR WEIGHT:** 398.43

**CAS NUMBER:** 1226781-44-7

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

**SOLUBILITY:** DMSO

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** MK-3102 is a potent, selective and long-acting dipeptidyl peptidase-4 (DPP-4) inhibitor with IC<sub>50</sub> of 1.6 nM; highly selective over other proteases (QPP, DPP8, and FAP) tested.

**REFERENCE:** Biftu, T., *et al.* (2014). *J. Med. Chem.* **57**, 3205-3212.

**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**)  
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**