

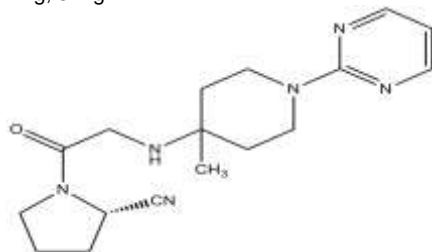
DPP IV Inhibitor, K 579

ALTERNATE NAME: (2S)-1-[[[4-Methyl-1-(2-pyrimidinyl)-4-piperidinyl]amino]acetyl]-2-pyrrolidinecarbonitrile

CATALOG #: 1963-1,5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₇H₂₄N₆O

MOLECULAR WEIGHT: 328.41

CAS NUMBER: 440100-64-1

APPEARANCE: Light brown solid

SOLUBILITY: DMSO (~100 mM) or EtOH (~20 mM) or 1 eq. HCl (50 mM)

PURITY: ≥98% by HPLC

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

DESCRIPTION: Cell-permeable. A potent, slow binding dipeptidyl peptidase IV inhibitor with IC₅₀ values of 3, 5, 8, and 8 nM for rat, canine, human and monkey enzymes respectively. Acts as a long-acting hypoglycemic agent.

REFERENCE: Takasaki, K., *et al.* (2004). *Eur. J. Pharmacol.* **486**, 335-342.

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

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Dipeptidylpeptidase IV, Human Plasma (**Cat. No. 4709-10**)
- Dipeptidylpeptidase IV Inhibitor, NVP DPP 728 (**Cat. No. 1964-1, 5**)
- Sitagliptin Phosphate Monohydrate (**Cat. No. 1757-100, 1G**)