

# DBPR108

Catalog No: tcsc3825



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

1186426-66-3

**Formula:**

$C_{16}H_{25}FN_4O_2$

**Pathway:**

Metabolic Enzyme/Protease

**Target:**

Dipeptidyl Peptidase

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 25$  mg/mL (77.07 mM)

**Observed Molecular Weight:**

324.39

## Product Description

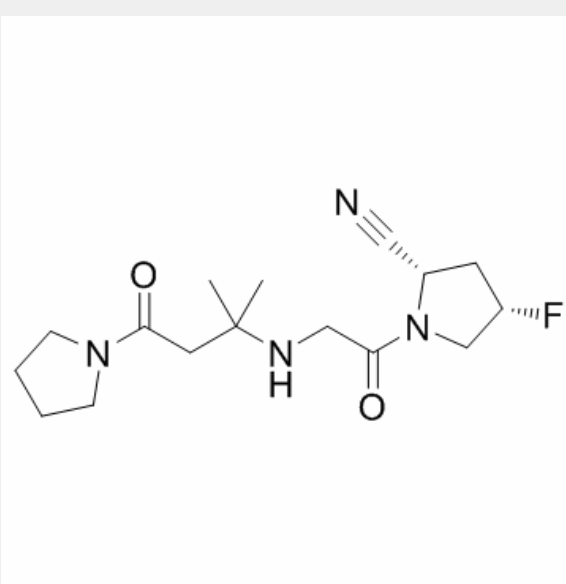
DBPR108 is a potent, selective, and orally bioavailable dipeptide-derived inhibitor of DPP4 with IC50 of 15 nM; no inhibition on DDP8

and DPP9.

IC50 value: 15 nM [1]

Target: DPP4 inhibitor

DBPR108 is an IC50=15 nM DPP IV inhibitor displays a more than 3000-fold selectivity over DPP8 DPP9, FAP and DPP-II. TThe in vivo effects of DBPR108, including inhibition of plasma DPP-IV activity and suppression of blood glucose elevation, were also demonstrated. DBPR108 is a potent, selective, long-acting and safe DPP-IV inhibitor as a potential treatment of type 2 diabetes mellitus.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!