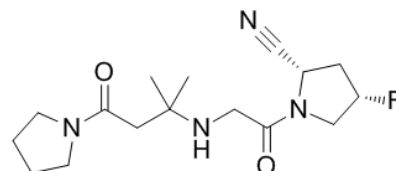


Product Name : DBPR108
Cat. No. : PC-43097
CAS No. : 1186426-66-3
Molecular Formula : C₁₆H₂₅FN₄O₂
Molecular Weight : 324.3937
Target : Dipeptidyl Peptidase (DPP)
Solubility : 10 mM in DMSO



Biological Activity

Prusogliptin (DBPR108) is a potent, selective, orally bioavailable and long-acting inhibitor of **DPP4** with IC₅₀ of 15 nM, >3,000-fold selectivity over DPP8, DPP9, FAP and DPP-II.

Prusogliptin (DBPR108) exhibits excellent human plasma DPP-IV inhibition with IC₅₀ of 5 nM.

Prusogliptin (DBPR108) suppresses blood glucose elevation in vivo, demonstrates potential treatment of type 2 diabetes mellitus.

References

Yeh TK, et al. *Bioorg Med Chem Lett*. 2010 Jun 15;20(12):3596-600.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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