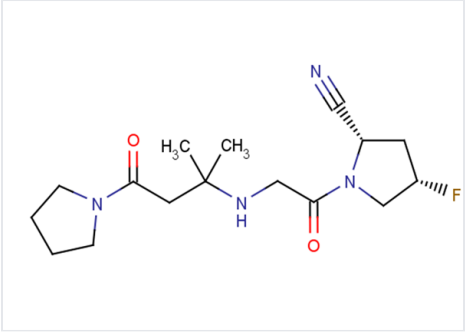
DBPR108 Inhibitor

PRODUCT OVERVIEW

Product Name	DBPR108, Inhibitor
Full Product Name	DBPR108
Product Gene Name	DBPR108, inhibitor
Form/Format	Solid. Powder
Purity/Purification	98.00%
Preparation and Storage	Store at -20 degree C for 3 years powder -80 degree C for 2 years in solvent
Molecular Weight	324.39
Solubility	DMSO: 25mg/mL (77.07mM) (<1mg/ml refers to the product slightly soluble or insoluble)
Formula	C16H25FN4O2
SMILES	N#C[C@H]1N(C(CNC(C)(C)CC(N2CCCC2)=O)=O)C[C@@H](F)C1
CAS Number	1186426-66-3
Target & IC50	Others
In Vitro	DBPR108 is a potent, selective, long-acting and safe DPP-IV inhibitor as a potential treatment of type 2 diabetes mellitus. The in vivo effects of DBPR108, including inhibition of plasma DPP-IV activity and suppression of blood glucose elevation, were also demonstrated.
Related Product Information for DBPR108, inhibitor	DBPR108 is an orally bioavailable dipeptide-derived DPP4 inhibitor (IC50: 15nM) and it has no inhibition on DDP8 and DPP9.
Product References and Citations for DBPR108, inhibitor	Yeh TK, et al. (2S,4S)-1-[2-(1,1-dimethyl-3-oxo-3-pyrrolidin-1-yl-propylamino)acetyl]-4-fluoro-pyrrolidine-2-carbonitrile: a potent, selective, and orally bioavailable dipeptide-derived inhibitor of dipeptidyl peptidase IV. Bioorg Med Chem Lett. 2010 Jun Yeh TK, et al. (2S,4S)-1-[2-(1,1-dimethyl-3-oxo-3-pyrrolidin-1-yl-propylamino)acetyl]-4-fluoro-pyrrolidine-2-carbonitrile: a potent, selective, and orally bioavailable dipeptide-derived inhibitor of dipeptidyl peptidase IV. Bioorg Med Chem Lett. 2010 Jun
Other Notes	Small volumes of DBPR108, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DBPR108 purchase	MBS5754771 is an inhibitor targeting DBPR108.



Structure of DBPR108, inhibitor

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/inhibitor/dbpr108/5754771