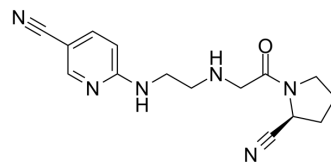


## NVP-DPP728

Cat. No.:	HY-14292
CAS No.:	247016-69-9
Molecular Formula:	C <sub>15</sub> H <sub>18</sub> N <sub>6</sub> O
Molecular Weight:	298.34
Target:	Dipeptidyl Peptidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	NVP-DPP728 is a potent, reversible and nitrile-dependent dipeptidyl peptidase IV (DPP-IV) inhibitor. NVP-DPP728 can inhibit human DPP-IV amidolytic activity with a K <sub>i</sub> of 11 nM. NVP-DPP728 inhibits degradation of glucagon-like peptide-1 (GLP-1) and thereby potentiates insulin release in response to glucose intake. NVP-DPP728 can be used for researching diabetes <sup>[1]</sup> .
IC <sub>50</sub> & Target	K <sub>i</sub> : 11 nM (DPP-IV) <sup>[1]</sup>

### REFERENCES

[1]. Hughes TE, et al. NVP-DPP728 (1-[[[2-[[5-cyanopyridin-2-yl]amino]ethyl]amino]acetyl]-2-cyano-(S)- pyrrolidine), a slow-binding inhibitor of dipeptidyl peptidase IV. *Biochemistry*. 1999;38(36):11597-11603.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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