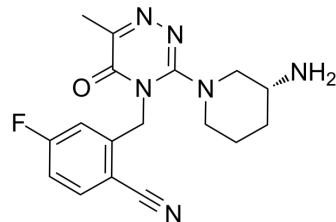


Fotagliptin

Cat. No.:	HY-123377
CAS No.:	1312954-58-7
Molecular Formula:	C ₁₇ H ₁₉ FN ₆ O
Molecular Weight:	342.37
Target:	Dipeptidyl Peptidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Fotagliptin is a Dipeptidyl Peptidase IV (DPP-4) inhibitor (IC ₅₀ =2.27 nM). Fotagliptin displays great security in rat and dog. Fotagliptin can be used for Type 2 diabetes mellitus research ^[1] .
IC ₅₀ & Target	DPP-4 2.27 nM (IC ₅₀)
In Vivo	Fotagliptin (33 mg/kg or 110 mg/kg) is safe for rat and dog at different doses respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wang Z, et al. Development and validation of a UPLC-MS/MS method for simultaneous determination of fotagliptin and its two major metabolites in human plasma and urine. *Bioanalysis*. 2017 Feb;9(4):381-393.

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

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