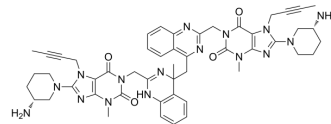


Linagliptin methyldimer

Cat. No.:	HY-W744745
CAS No.:	1418133-47-7
Molecular Formula:	C ₅₀ H ₅₆ N ₁₆ O ₄
Molecular Weight:	945.08
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (132.26 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.0581 mL	5.2906 mL	10.5811 mL
	5 mM	0.2116 mL	1.0581 mL	2.1162 mL
	10 mM	0.1058 mL	0.5291 mL	1.0581 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Linagliptin methyldimer is an impurity of Linagliptin. Linagliptin is a DPP-IV inhibitor, with IC₅₀ of 1 nM^[1].

REFERENCES

[1]. Pfrenge, et al. Substituted quinazolines, the preparation thereof and the use thereof in pharmaceutical compositions as DPP-IV inhibitors. Patent. WO2013010964 A1.

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

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