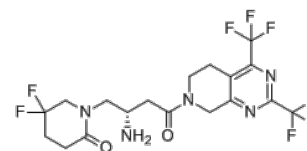


**Product Name** : Gemigliptin  
**Cat. No.** : PC-60974  
**CAS No.** : 911637-19-9  
**Molecular Formula** : C<sub>18</sub>H<sub>19</sub>F<sub>8</sub>N<sub>5</sub>O<sub>2</sub>  
**Molecular Weight** : 489.37  
**Target** : Dipeptidyl Peptidase (DPP)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Gemigliptin (LC15-0444) is a potent, selective, competitive and orally active **DPP4** inhibitor (IC<sub>50</sub>=10.4 nM, hDPP4) with potential for the treatment of type 2 diabetes.

Gemigliptin exhibits potent anti-glycation properties in vitro and in vivo, also improves renal function and attenuates podocyte injury in mice with diabetic nephropathy.

## References

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Hwang HJ, et al. Mol Cell Endocrinol. 2014 Jul 5;392(1-2):1-7.  
Jung E, et al. Eur J Pharmacol. 2014 Dec 5;744:98-102.  
Jung E, et al. Eur J Pharmacol. 2015 Aug 15;761:116-24.

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

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