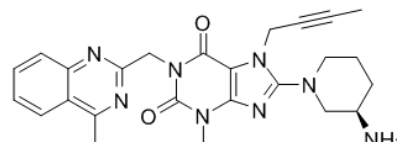


**Product Name** : Linagliptin  
**Cat. No.** : PC-42508  
**CAS No.** : 668270-12-0  
**Molecular Formula** : C<sub>25</sub>H<sub>28</sub>N<sub>8</sub>O<sub>2</sub>  
**Molecular Weight** : 472.5422  
**Target** : Dipeptidyl Peptidase (DPP)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Linagliptin (BI-1356) is a highly potent, selective, long-acting, and orally bioavailable **DPP-4** inhibitor with IC<sub>50</sub> of 1 nM. Linagliptin (BI-1356) shows no significant inhibition on hERG and muscarinic receptor M1 at 1 μM. Linagliptin (BI-1356) shows considerable blood glucose lowering in different animal species.

## References

- Eckhardt M, et al. *J Med Chem.* 2007 Dec 27;50(26):6450-3.  
Thomas L, et al. *J Pharmacol Exp Ther.* 2008 Apr;325(1):175-82.  
Thomas L, et al. *J Pharmacol Exp Ther.* 2009 Feb;328(2):556-63.

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

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