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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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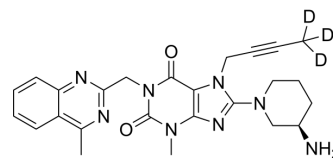
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Linagliptin-d₃-1

Cat. No.:	HY-10284S3
CAS No.:	1398044-48-8
Molecular Formula:	C ₂₅ H ₂₅ D ₃ N ₈ O ₂
Molecular Weight:	475.56
Target:	Isotope-Labeled Compounds; Dipeptidyl Peptidase; Autophagy; Ferroptosis
Pathway:	Others; Metabolic Enzyme/Protease; Autophagy; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Linagliptin-d ₃ -1 (BI 1356-d ₃ -1) is the deuterium labeled Linagliptin (HY-10284). Linagliptin is a highly potent, selective DPP-4 inhibitor with IC ₅₀ of 1 nM ^[1] .
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REFERENCES

- [1]. Thomas L, et al. (R)-8-(3-amino-piperidin-1-yl)-7-but-2-ynyl-3-methyl-1-(4-methyl-quinazolin-2-ylmethyl)-3,7-dihydro-purine-2,6-dione (BI 1356), a novel xanthine-based dipeptidyl peptidase 4 inhibitor, has a superior potency and longer duration of action
- [2]. Eckhardt M, et al. 8-(3-(R)-aminopiperidin-1-yl)-7-but-2-ynyl-3-methyl-1-(4-methyl-quinazolin-2-ylmethyl)-3,7-dihydropurine-2,6-dione (BI 1356), a highly potent, selective, long-acting, and orally bioavailable DPP-4 inhibitor for the treatment of type 2 d
- [3]. Schurmann C, et al. The dipeptidyl peptidase-4 inhibitor linagliptin attenuates inflammation and accelerates epithelialization in wounds of diabetic ob/ob mice. J Pharmacol Exp Ther. 2012 Jul;342(1):71-80.
- [4]. Huan Y, et al. The dual DPP4 inhibitor and GPR119 agonist HBK001 regulates glycemic control and beta cell function ex and in vivo. Sci Rep. 2017 Jun 28;7(1):4351.

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

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