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# DATASHEET

Linagliptin

## Product overview

<b>Name</b>	Linagliptin
<b>Cat No</b>	HB4637
<b>Purity</b>	>98%
<b>Description</b>	Highly potent, selective, competitive dipeptidyl-peptidase 4 inhibitor

## Biological Data

<b>Biological description</b>	Antidiabetic agent. Highly potent and selective competitive inhibitor of dipeptidyl-peptidase 4 (DPP4; DPP IV; CD26), an enzyme that degrades, glucagon-like peptide-1 (GLP-1) and glucose-dependent insulinotropic polypeptide (GIP). Prevents the inactivation of endogenous GLP-1 and GIP. Shown to restore beta cell function and survival in human isolated islets through GLP-1 stabilization. Improves insulin sensitivity. Anti-inflammatory compound.
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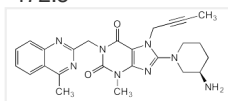
## Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

## Chemical Data

<b>Chemical name</b>	8-(3-(R)-Aminopiperidin-1-yl)-7-but-2-ynyl-3-methyl-1-(4-methylquinazolin-2-ylmethyl)-3,7-dihydropurine-2,6-dione
<b>Molecular Weight</b>	472.5

**Chemical structure**



<b>CAS Number</b>	668270-12-0
<b>InChiKey</b>	LTXREWYXXSTFRX-QGZVFWFLSA-N
<b>Appearance</b>	White to off-white solid