

## Product Information

### Compound Name

Linagliptin Impurity 79

### Synonyms

8-[(3R)-3-aminopiperidin-1-yl]-7-[(2E)-3-bromobut-2-en-1-yl]-3-methyl-1-[(4-methylquinazolin-2-yl)methyl]-2,3,6,7-tetrahydro-1H-purine-2,6-dione

### Chemical Formula

C<sub>25</sub>H<sub>29</sub>O<sub>2</sub>BrN<sub>8</sub>

### Molecular Weight

553.46

### Catalogue Number

L0039.83

### Lot No.

PAL-835-28

### Long-Term Storage Conditions

2-8 °C

### Shipping Conditions

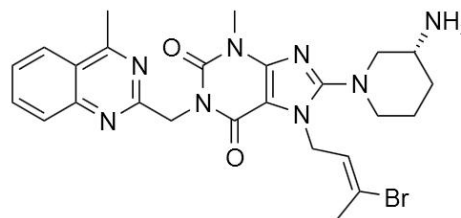
Ambient

### Appearance

Off-white Solid

**Test Date:** Apr. 25, 2025

**Re-test Date:** Apr. 24, 2028



**CAS No. :** 1446263-39-3

## Analytical Information

### Solubility

CH<sub>3</sub>CN+H<sub>2</sub>O

### Weight Loss by TGA

0.46%

### Method for Determining Identity

MS, <sup>1</sup>H NMR (CDCl<sub>3</sub>), TGA

### Purity (HPLC)

95.73%

### Potency

95.28%

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CERTIFICATE OF ANALYSIS