

## Product Information

### Compound Name

Linagliptin Impurity 72

### Synonyms

7-(but-2-yn-1-yl)-8-[(3R)-3-[(3R)-1-[7-(but-2-yn-1-yl)-3-methyl-1-[(4-methylquinazolin-2-yl)methyl]-2,6-dioxo-2,3,6,7-tetrahydro-1H-purin-8-yl]piperidin-3-yl]amino)methyl]amino]piperidin-1-yl]-3-methyl-1-[(4-methylquinazolin-2-yl)methyl]-2,3,6,7-tetrahydro-1H-purine-2,6-dione

### Chemical Formula

C<sub>51</sub>H<sub>56</sub>O<sub>4</sub>N<sub>16</sub>

### Molecular Weight

957.12

### Catalogue Number

L0039.76

### Lot No.

COL-763-13

### Long-Term Storage Conditions

-20°C

### Shipping Conditions

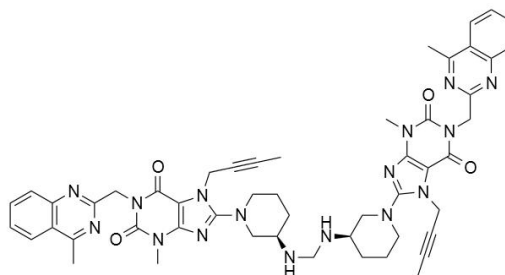
Ambient

### Appearance

Yellow Solid

**Test Date:** Oct. 11, 2023

**Re-test Date:** Oct. 10, 2026



**CAS No. :** 2489212-72-6

## Analytical Information

### Solubility

DMSO

### Weight Loss by TGA

4.11%

### Method for Determining Identity

MS, <sup>1</sup>H NMR (DMSO-d<sub>6</sub>), TGA

### Purity (HPLC)

97.80%

### Potency

93.78%

**QA Manager**

Tel: +1 (510) 225-4077

Fax: +1 (510) 373-2446

**Laboratory Director**

<http://www.aozeal.com>

E-mail: [info@aozeal.com](mailto:info@aozeal.com)

CERTIFICATE OF ANALYSIS