

# CERTIFICATE OF ANALYSIS

(Certificate No. SZ-O001008-1054-5)

Analysis Date: 15/03/2023

Re-test Date: 12/03/2025

## Olanzapine Lactam

### Identification

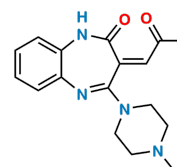
Chemical Name : (3Z)-1,3-Dihydro-4-(4-methyl-1-piperazinyl)-3-(2-oxopropylidene)-2H-1,5-benzodiazepin-2-one

CAT No. : SZ-O001008

CAS No. : 1017241-34-7

Molecular Formula : C<sub>17</sub>H<sub>20</sub>N<sub>4</sub>O<sub>2</sub>

Molecular Weight : 312.4



### Analytical Information

Batch Code : SRL-1084-325

Solubility : ACN:H<sub>2</sub>O(8:2)

Appearance of product : Yellow Solid

Long Term Storage : 2-8 °C for long term storage

Weight Loss By TGA : 0.05 %

Residue On Ignition : 0.00 %

HPLC Purity : 99.34 %

Mass : Confirm

IR Analysis : Confirm

<sup>1</sup>H NMR : Confirm

<sup>13</sup>C NMR : Confirm

DEPT Analysis : Confirm

### Additional Information

% Potency = [100 - 0.05 ( Wt loss by TGA ) - 0.00(ROI) ] X [99.34 (HPLC Purity) ] / 100 = 99.29 %



Recommendation : Released



Department

Signature

Date

Prepared and Reviewed by	Analytical		03/04/2023
Approved By	Quality Control		03/04/2023

Attachments : HPLC, Mass, NMR, IR, TGA, CMR, DEPT, ROI

Shipping Condition : All Products are stable to be shipped at room temperature, unless otherwise specified.