

# CERTIFICATE OF ANALYSIS

(Certificate No. KMO007001-01)

Release Date: 10/10/2023

Re-test Date: 09/10/2026

## N-Desmethyl Olanzapine

### Identification

**Chemical Name :**

2-methyl-4-(piperazin-1-yl)-10H-benzo[b]thieno[2,3-e][1,4]diazepine

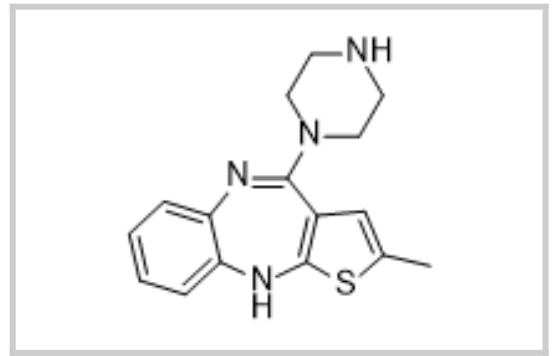
**Alt. Name** : 4'-Desmethylolanzapine ;  
Desmethylolanzapine

**CAT No.** : KMO007001

**CAS No.** : 161696-76-0

**Molecular Formula** : C<sub>16</sub>H<sub>18</sub>N<sub>4</sub>S

**Molecular Weight** : 298.41



### Analytical Information

**Batch No.** : OLA-DES-045-003

**Description** : Yellow Solid

**HPLC Purity** : 96.64 %

**Weight Loss By TGA** : 1.11 %

**% Potency** : 95.57 %

**Solubility** : Methanol

**Mass** : Confirm

**IR** : Confirm

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

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be shipped at room temperature

**% Potency** = [100 - 1.11(Weight Loss By TGA)] x [96.64(HPLC Purity)]/100 = 95.57 %

Remarks : COA Re-generated on 26.06.2024

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		26/06/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		26/06/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA