# CERTIFICATE OF ANALYSIS

(Certificate No. KML006034-01)

**Release Date:** 29/10/2025 **Re-test Date:** 28/10/2028

## UNSATURATED IMPUIRITY LURASIDONE

## Identification

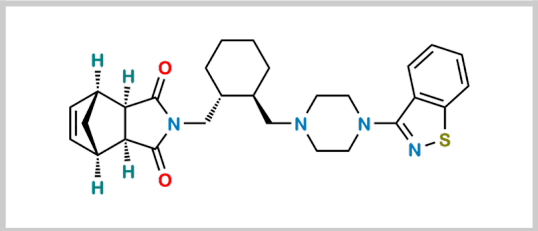
**Chemical Name** :
(3aR,4R,7S,7aS)-2-(((1R,2R)-2-((4-(benzo[d]isothiazol-3-yl)piperazin-1-yl)methyl)cyclohexyl)methyl)-3a,4,7,7a-tetrahydro-1H-4,7-methanoisoindole-1,3(2H)-dione

**CAT No.** : KML006034

**CAS No.** : NA

**Molecular Formula** : C28H34N4O2S

**Molecular Weight** : 490.7



## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : L006034-073-375 | **Solubility** | : Acetonitrile |
| **Description** | : Off White Solid | **Mass** | : Confirm |
| **HPLC Purity** | : 99.85 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 1.12 % | **1H NMR** | : Confirm |
| **% Potency** | : 98.73 % | | |

## 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 - 1.12(Weight Loss By TGA)] x [99.85(HPLC Purity)]/100 = 98.73 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 30/10/2025 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 30/10/2025 |

**Attachments** : COA, HPLC, MASS, 1HNMR, IR and TGA